

DAFTAR PUSTAKA

- Aaronson, D., Agarwal, S. and French, E. (2012) 'The spending and debt response to minimum wage hikes', *American Economic Review*, 102(7), pp. 3111–3139. doi: 10.1257/aer.102.7.3111.
- Abraham, T. W. and Ahmed, U. A. (2011) 'Economic Growth and Human Development Index in Nigeria: An Error Correction Model Approach', *International Journal of Administration and Development Studies, University of Maiduguri, Nigeria*, 2(1), pp. 239–254.
- Abu Bakar, N. A. and Che Mat, S. H. (2017) 'The Effects of Infrastructure Development on Economic Growth in the Northern States of Malaysia', *Quest Journals - Journal of Research in Humanities and Social Science*, 5(9), pp. 28–32.
- Addison, J. T., Blackburn, M. K. L. and Cotti, C. D. (2015) 'On the robustness of minimum wage effects: geographically-disparate trends and job growth equations', *IZA Journal of Labor Economics*. IZA Journal of Labor Economics, 4(1), pp. 1990–2005. doi: 10.1186/s40172-015-0039-z.
- Addison, J. T., Blackburn, M. L. and Cotti, C. D. (2012) 'The Effect of Minimum Wages on Labour Market Outcomes: County-Level Estimates from the Restaurant-and-Bar Sector', *British Journal of Industrial Relations*. doi: 10.1111/j.1467-8543.2010.00819.x.
- Adisasmita, R. (2011) *Pembiayaan Pembangunan Daerah*. Pertama. Yogyakarta: Graha Ilmu.
- Agbonkhese, Abraham Oni; Asekome, M. O. (2014) 'Impact of Public Expenditure on the Growth of Nigerian Economy', *European Scientific Journal*, 10(28), pp. 219–229.
- Agell, J. and Lundborg, P. (1995) 'Theories of pay and unemployment: survey evidence from Swedish manufacturing firms', *Scandinavian Journal of Economics*, 97(2), pp. 295–307. doi: <https://doi.org/10.2307/3440530>.
- Agenor, P.-R. and Moreno-Dodson, B. (2006) *Public Infrastructure And Growth: New Channels And Policy Implications, Policy Research Working Papers*. The World Bank. doi: 10.1596/1813-9450-4064.
- Aghion, P. and Howitt, P. (1992) 'A model of growth through creative destruction', *Econometrica*, 60(2), pp. 323–351. doi: <https://doi.org/10.2307/2951599>.
- Agustang, A. (2021) 'Makalah "Masalah Pendidikan Di Indonesia"', *Www.Melianikasim.Wordpress.Com*.
- Ajakaiye, O. et al. (2016) 'Understanding the relationship between growth and employment in Nigeria', (May), pp. 1–32.
- Akinbode, S. et al. (2020) 'Corruption, Government Effectiveness and Human Development in Sub-Saharan Africa', *Journal for the Advancement of Developing Economies*, 9(1), pp. 16–34. doi: 10.32873/unl.dc.jade912.

- Al-Dala'ien, Q. and Alamro, H. (2016) 'Validity of Okun's Law: Empirical Evidence from Jordan', *Dirasat Administrative Sciences*, 43(1), pp. 315–324. doi: 10.12816/0028465.
- Al-Fawwaz, T. M. (2015) 'The Impact of Government Expenditures on Economic Growth in Jordan (1980-2013)', *International Business Research*, 9(1), pp. 99–105. doi: 10.5539/ibr.v9n1p99.
- Al-Shatti, A. S. (2014) 'The Impact of Public Expenditures on Economic Growth in Jordan', *International Journal of Economics and Finance*, 6(10), pp. 157–167. doi: 10.5539/ijef.v6n10p157.
- Alexander, J. M. (2004) 'Capabilities, human rights and moral pluralism', *The International Journal of Human Rights*, 8(4), pp. 451–469. doi: 10.1080/1364298042000283585.
- Alexander, M. J. (2007) 'Growth through social justice', *Frontline*, 24(21), pp. 14–26.
- Alexiou, C. (2009) 'Government Spending and Economic Growth: Econometric Evidence from the South Eastern Europe (SEE)', *Journal of Economic and Social Research*, 11(1), pp. 1–16.
- Ali, S.A; Raza, H; Yousuf, M. . (2012) 'The Role of Fiscal Policy in Human Development: The Pakistan's Perspective', *The Pakistan Development Review*, 51(4), pp. 381–396.
- Ali, I. and Pernia, E. M. (2003) 'Infrastructure and Poverty Reduction — What is the Connection?', *Asian Development Bank .ERD Policy Brief No. 13*, (13).
- Alkire, S. and Foster, J. E. (2010) 'Designing the Inequality-Adjusted Human Development Index', *SSRN Electronic Journal*. doi: 10.2139/ssrn.1815248.
- Althofia, Nalyda Yola dan Agustina, N. (2015) 'Pengaruh Pengeluaran Pemerintah untuk Pendidikan, Kesehatan, dan Infrastruktur terhadap PDRB dan Penyerapan Tenaga Kerja di Propinsi Jawa Barat Tahun 2012.pdf', *Jurnal Aplikasi Statistika dan Komputasi Statistik*, 7(1), pp. 1–20. doi: <https://doi.org/10.34123/jurnalasks.v7i1.118>.
- Amalia, Rahmah; Madris dan Razak, A. R. (2015) 'Pengaruh Pengeluaran Pemerintah terhadap Kemiskinan Di Provinsi Sulawesi Barat', *Jurnal Analisis*, 4(2), pp. 183–189.
- Anand, Sidhir. Sen, A. K. (1994) 'Human Development Index: Methodology and Measurement, Human Development', *Conflict, Security and Development*. Report Office Occasional Papers Vol 12.
- Anand, S. and Ravallion, M. (1993) 'Human Development in Poor Countries: On the Role of Private Incomes and Public Services', *Journal of Economic Perspectives*, 7(1), pp. 133–150. doi: 10.1257/jep.7.1.133.
- Anand, S. and Sen, A. (2000) 'Human development and economic sustainability', *World Development*, 28(12), pp. 2029–2049. doi: 10.1016/S0305-

750X(00)00071-1.

- Annabi, N., Harvey, S. and Lan, Y. (2011) 'Public expenditures on education, human capital and growth in Canada: An OLG model analysis', *Journal of Policy Modeling*. Elsevier, 33(6), pp. 852–865.
- Anochiwa, L. I., Obila, E. and Enyoghasim, M. (2019) 'Modeling the effects of health care expenditure and economic growth in Nigeria: An econometric analysis', *Jurnal Perspektif Pembiayaan dan Pembangunan Daerah*, 6(5), pp. 573–582. doi: 10.22437/ppd.v6i5.6244.
- Anwar, A. I. (2020) *Sinergitas Pusat-Daerah Untuk Penguatan Ekonomi Domestik*. Makassar: Bunga Rampai UNHAS.
- Arfiyansyah, S. (2018) 'Analisis Pengaruh Pengeluaran Pemerintah Terhadap Indeks Pembangunan Manusia Melalui Pendapatan Domestik Regional Bruto di Indonesia', *Indonesian Treasury Review Jurnal Perbendaharaan Keuangan Negara dan Kebijakan Publik*, 3(4), pp. 270–283. doi: 10.33105/itrev.v3i4.77.
- Arimah, B (2004) 'Poverty reduction and human development in Africa', *Journal of Human Development*. Taylor & Francis, 5(3), pp. 399–415.
- Arimah, Ben (2004) 'Poverty Reduction and Human Development in Africa', *Journal of Human Development*, 5(3), pp. 399–415. doi: 10.1080/1464988042000277260.
- Ariza, A. (2016) 'Pengaruh Kemampuan Keuangan dan Posisi Fiskal Terhadap Pertumbuhan Ekonomi Kabupaten/Kota Di Provinsi Kalimantan Barat', *Jurnal Ekonomi Bisnis dan Kewirausahaan*, 5(1), pp. 24–45. doi: 10.26418/jebik.v5i1.16180.
- Armev, D. (1995) *The Freedom Revolution*. Washington: Regnery Publishing.
- Armstrong, Martin and Taylor, J. (2000) *Regional Economics and Policy*. Massachusetts, USA: Blackwell Publisher.
- Arrow, KJ; and Kurz, M. (1970) *Public investment, the rate of return, and optimal fiscal policy*. Baltimore: The Johns Hopkins University Press.
- Arrow, K. J. (1962) 'The economic implications of learning by doing', *Review of Economic Studies*, 29(3), pp. 155–173. doi: 10.2307/2295952.
- Arsyad, L. (2010) *Ekonomi Pembangunan*. Kelima. Yogyakarta: Penerbit STIM YKPN.
- Asaju, K. (2012) 'Human Capital Development and Poverty Alleviation in Nigeria: A Symbiotic Overview.', *Online Submission*.
- Aschauer, D. A. (1989) 'Is public expenditure productive?', *Journal of Monetary Economics*, 23(2), pp. 177–200. doi: 10.1016/0304-3932(89)90047-0.
- Atmakuri, V. K., Reddy, S. M. and Rao, D. V. (2014) 'Economic Growth and Human Development: An Empirical Analysis of Major States of India During the Period 1993–94 to 2004–05', *Economic Affairs*, 59(1), pp. 11–22. doi: 10.5958/j.0976-4666.59.1.002.

- Autor, D. H., Katz, L. F. and Kearney, M. S. (2008) 'Trends in U.S. wage inequality: Revising the revisionists', *Review of Economics and Statistics*, 90(2), pp. 300–323. doi: 10.1162/rest.90.2.300.
- Autor, D. H., Manning, A. and Smith, C. L. (2016) 'The contribution of the minimum wage to US wage inequality over three decades: A reassessment', *American Economic Journal: Applied Economics*, 8(1), pp. 58–99. doi: 10.1257/app.20140073.
- Awaworyi Churchill, S., Yew, S. L. and Ugur, M. (2015) 'Effects of Government Education and Health Expenditures on Economic Growth: A Meta-Analysis', *SSRN Electronic Journal*, (68007). doi: 10.2139/ssrn.2693942.
- Ayinde, K., Kuranga, J. and Lukman, A. F. (2015) 'Modeling Nigerian Government Expenditure, Revenue and Economic Growth: Co-Integration, Error Correction Mechanism and Combined Estimators Analysis Approach', *Asian Economic and Financial Review*, 5(6), pp. 858–867. doi: 10.18488/journal.aefr/2015.5.6/102.6.858.867.
- Baldacci, E. *et al.* (2008) 'Social Spending, Human Capital, and Growth in Developing Countries', *World Development*, 36(8), pp. 1317–1341. doi: 10.1016/j.worlddev.2007.08.003.
- Ball, L. M. ., Leigh, D. and Loungani, P. (2013) 'Okun's Law: Fit at 50?', *IMF Working Papers*, 13(10), p. i. doi: 10.5089/9781475574265.001.
- Baltagi, B. (2005) *Econometric Analysis of Panel Data*. Third Edit. England: John Wiley & Sons.
- Barlas, A. W. (2020) 'The Impact of Government Expenditure on Economic Growth in Afghanistan', *Journal of Economics and Business*, 3(2), pp. 19–36. doi: 10.31014/aior.1992.03.02.234.
- Barro, Robert J and Sala-i-Martin, X. I. (1995) *Economic Growth*. New York: Mc Graw Hill.
- Barro, Robert J and Sala-i-Martin, X. I. (2004) *Economic Growth*. 2nd edn. London: The MIT Press Cambridge, Massachusetts.
- Barro, R. J. (1990) 'Government Spending in a Simple Model of endogenous growth', *Journal of Political Economy*, 98(5), pp. 103–125.
- Barro, R. J. (1991) 'Economic growth in a cross section of countries', *Quarterly Journal of Economics*, 106(2), pp. 407–443. doi: 10.2307/2937943.
- Barro, R. J. (2001) 'Human Capital and Growth', *American Economic Review*, 91(2), pp. 12–17. doi: <http://dx.doi.org/10.1257/aer.91.2.12>.
- Barro, R. J. (2013) 'Health and economic growth', *Annals of Economics and Finance*, 14(2 A), pp. 305–342. doi: 10.1093/acrefore/9780190625979.013.36.
- Barro, R. J. and Sala-i-martin, X. (1992) 'Public Finance Economic in Models of Growth', *Review of Economic Studies*, 59(4), pp. 645–661. doi: <https://doi.org/10.2307/2297991>.

- Barro, R. J. and Sala-i-Martin, X. (1995) 'Tech Convergence and Growth', *Nber Working Paper Series*, pp. 1–45.
- Barton, H. (2000) 'Sustainable Communities: The Potential for Eco-neighbourhoods', *Journal of Environmental Assessment Policy and Management*. London: Earthscan, 2(1), pp. 169–171. doi: 10.1016/S1464-3332(00)00010-2.
- Baskaya, Y. S., & Rubinstein, Y. (2015) *Using Federal Minimum Wages to Identify the Impact of Minimum Wages on Employment and*, *Unpublished paper*.
- Baumgartner, H. and Homburg, C. (1996) 'Applications of structural equation modeling in marketing and consumer research: A review', *International Journal of Research in Marketing*, 13(1), pp. 139–161. doi: 10.1016/0167-8116(95)00038-0.
- Becker, G. S. (1994) *Human Capital: A Theoretical and Empirical Analysis with Special Reference to Education*. Third Edit. THE UNIVERSITY OF CHICAGO PRESS.
- Becker, G. S., Murphy, K. M. and Tamura, R. (1990) 'Human Capital, Fertility, and Economic Growth', *Journal of Political Economy*, 98(5), pp. 12–37.
- Becker, S. dan D. G. (1962) 'Budgeting and Employee Behavior', *Journal Of Business*, 35(4), pp. 392–402.
- Bellante. D. and Jackson. M (1990) *Ekonomi Ketenagakerjaan*. Jakarta.
- Benhabib, J. and Spiegel, M. (1994) 'The Role of human capital in economic development: Evidence from aggregate cross-country time', *Journal of Monetary Economics*, 34(2), pp. 143–173. doi: 10.1016/0304-3932(94)90047-7.
- Beraldo, S. and Montolio, D. (2005) 'Healthy, educated and wealthy: Is the welfare state really harmful for growth?', *Col·lecció d'Economia*, (February).
- Bhanumurthy, N. R., Prasad, M. and Jain, R. (2018) 'Public expenditure, governance and human development: The case of Madhya Pradesh', *Economic and Political Weekly*.
- Bhatia, K. and Dash, M. K. (2011) 'A demand of value based higher education system in India: A comparative study', *Journal of Public Administration and Policy Research*, 3(May), pp. 156–171.
- Bidani, B. and Ravallion, M. (1997) 'Decomposing social indicators using distributional data', *Journal of Econometrics*, 77, pp. 125–139. doi: 10.1016/S0304-4076(95)01809-3.
- Biggeri, M. and Mauro, V. (2018) 'Towards a more "Sustainable" Human Development Index: Integrating the environment and freedom', *Ecological Indicators*, 91, pp. 220–231. doi: 10.1016/j.ecolind.2018.03.045.
- Bilbao-Ubillos, J. (2013a) 'Another Approach to Measuring Human Development: The Composite Dynamic Human Development Index', *Social Indicators Research*, 111(2), pp. 473–484. doi: 10.1007/s11205-012-0015-y.

- Bilbao-Ubillos, J. (2013b) 'The Limits of Human Development Index: The Complementary Role of Economic and Social Cohesion, Development Strategies and Sustainability', *Sustainable Development*, 21(6), pp. 400–412. doi: 10.1002/sd.525.
- Birol, F. (2018) *International Energy Agency. Energy Is at the Hearth of the Sustainable Development Agenda to 2030*, www.iea.org.
- Blackwell, A. (2008) *Efficiency Wage Theory, Labour Economics The Economics of Earnings*.
- Bloom, D., Canning, D. and Sevilla, J. (2001) 'The Effect of Health on Economic Growth', *NBER Working Paper Series*, 32, pp. 1–13.
- Bloom, D. E., Canning, D. and Sevilla, J. (2004) 'The effect of health on economic growth: A production function approach', *World Development*, 32(1), pp. 1–13. doi: 10.1016/j.worlddev.2003.07.002.
- Blundell, R. *et al.* (1999) 'Human Capital Investment: The Returns from Education and Training to the Individual, the Firm and the Economy', *Fiscal Studies*, 20(1), pp. 1–23. doi: 10.1111/j.1475-5890.1999.tb00001.x.
- Boediono (1999) *Ekonomi Internasional*. Yogyakarta: BPFE.
- Bojanic, A. N. (2013) 'Testing the validity of wagner's law in Bolivia: A cointegration and causality analysis with disaggregated data', *Revista de Analisis Economico*, 28(1), pp. 25–45. doi: 10.4067/s0718-88702013000100002.
- Bokhari, Farasat A.S; Gai, Yunwei; and Gottret, P. (2007) 'Government health expenditures and health Outcomes', *HEALTH ECONOMICS*, (16), pp. 257–273. doi: 10.1002/hec.1157.
- Borjas, G. J. (2010) *Labor Economics*. New York: McGraw-Hill Companies.
- BPS (2013) *Proyeksi Penduduk Indonesia*. Jakarta: Badan Pusat Statistik.
- BPS (2020a) *Indikator Pasar Tenaga Kerja Indonesia Agustus 2020*. Jakarta: Badan Pusat Statistik.
- BPS (2020b) *Statistik Kesejahteraan Rakyat 2020*. Jakarta: Badan Pusat Statistik.
- Bravo, G. (2014) 'The Human Sustainable Development Index: New calculations and a first critical analysis', *Ecological Indicators*, 37, pp. 145–150. doi: 10.1016/j.ecolind.2013.10.020.
- Brons, M. R. *et al.* (1999) 'A Comparative Analysis in a Multi-Country Context', *Growth and Change*, 31(4), pp. 547–572.
- Brown, C. (1999) 'Chapter 32 Minimum wages, employment, and the distribution of income', *Handbook of Labor Economics*, 3 PART(2), pp. 2101–2163. doi: 10.1016/S1573-4463(99)30018-3.
- Brown, C. *et al.* (1982) 'The Effect of The Minimum Wage on Employment and Unemployment', *Journal of Economic Literature*, 20(2), pp. 487–528.
- Bullinger, L. R. (2017) 'The effect of minimum wages on adolescent fertility: A nationwide analysis', *American Journal of Public Health*, 107(3), pp. 447–

452. doi: 10.2105/AJPH.2016.303604.

- Byrne, B. M. (1998) 'Structural equation modeling with LISREL, PRELIS, and SIMPLIS: basic concepts, applications, and programming', *Multivariate applications book series*.
- Campbell, Carl; and Kamlani, K. (1997) 'The Reasons for Wage Rigidity: Evidence from a Survey of Firms', *Quarterly Journal of Economics*, 112(3), pp. 759–789.
- Card, D. and A. B. K. (1994) 'Minimum Wages and Employment: A Case Study of the Fast-Food Industry in New Jersey and Pennsylvania', *American Economic Review*, 84(4), pp. 772–793.
- Card, D. and Krueger, A. B. (1995) 'Myth and Measurement: The New Economics of the Minimum Wage', *Industrial and Labor Relations Review*, 48(4), pp. 827–849. doi: 10.2307/2234949.
- Carvalho, A., Nepal, R. and Jamasb, T. (2015) 'Economic reforms and human development: evidence from transition economies', *Applied Economics*, 48(14), pp. 1330–1347. doi: 10.1080/00036846.2015.1100251.
- Chaaban, J., Irani, A. and Houry, A. (2016) 'The Composite Global Well-Being Index (CGWBI): A New Multi-Dimensional Measure of Human Development', *Social Indicators Research*. Springer Netherlands, 129(1), pp. 465–487. doi: 10.1007/s11205-015-1112-5.
- Chakraborty, L. S. (2003) 'Public expenditure and human development: an empirical investigation', in: Helsinki, May: Wider International Conference on Inequality, Poverty and Human Well-Being.
- Chang, T. (2002) 'An econometric test of Wagner's law for six countries based on cointegration and error-correction modelling techniques', *Applied Economics*, 34(9), pp. 1157–1169. doi: 10.1080/00036840110074132.
- Cherchye, L., Ooghe, E. and Van Puyenbroeck, T. (2008) 'Robust human development rankings', *Journal of Economic Inequality*, 6(4), pp. 287–321. doi: 10.1007/s10888-007-9058-8.
- Cinnirella, F. and Streb, J. (2017) 'The role of human capital and innovation in economic development: evidence from post-Malthusian Prussia', *Journal of Economic Growth*. Springer US, 22(2), pp. 193–227. doi: 10.1007/s10887-017-9141-3.
- Clemens, J. and Wither, M. (2019) 'The minimum wage and the Great Recession: Evidence of effects on the employment and income trajectories of low-skilled workers', *Journal of Public Economics*, 170, pp. 53–67. doi: 10.1016/j.jpubeco.2019.01.004.
- Comim, F. (2016) 'Beyond the HDI? Assessing Alternative Measures of Human Development from a Capability Perspective', *Human Development Report*, (April), pp. 1–34.
- Conklin, A. I. *et al.* (2016) 'Minimum wage and overweight and obesity in adult women: A multilevel analysis of low and middle income countries', *PLoS*

- ONE, 11(3), pp. 1–14. doi: 10.1371/journal.pone.0150736.
- Cooray, A. (2013) 'Does health capital have differential effects on economic growth?', *Applied Economics Letters*, 20(3), pp. 244–249. doi: 10.1080/13504851.2012.690844.
- Costanza, R. *et al.* (1997) 'The value of the world's ecosystem services and natural capital', *Nature*, 387(6630), pp. 253–260. doi: 10.1038/387253a0.
- Costanza, R. *et al.* (2009) 'Beyond GDP: The Need for New Measures of Progress', *Boston University*, (4), pp. 1–47.
- Craigwell, R., Bynoe, D. and Lowe, S. (2012) 'The effectiveness of government expenditure on education and health care in the Caribbean', *International Journal of Development Issues*, 11(1), pp. 4–18. doi: 10.1108/14468951211213831.
- Dar, A. A., & AmirKhalkhali, S. (2002) 'Government size, Factor Accumulation, and Economic Growth: Evidence from OECD Countries', *Journal of Policy Modeling*, 24(7–8), pp. 679–692. doi: [https://doi.org/10.1016/S0161-8938\(02\)00163-1](https://doi.org/10.1016/S0161-8938(02)00163-1).
- Das, R. C., Mandal, C. and Patra, A. K. (2019) 'Linkage between social sector's spending and HDI: study on individual as well as panel data of Indian states', *Review of Social Economy*. Taylor & Francis, 79(2), pp. 357–379. doi: 10.1080/00346764.2019.1671605.
- Decancq, K. (2016) 'Measuring Multidimensional Inequality in the OECD Member Countries with a Distribution-Sensitive Better Life Index', *Social Indicators Research*. Springer Netherlands, 131(3), pp. 1057–1086. doi: 10.1007/s11205-016-1289-2.
- Démurger, S. (2001) 'Infrastructure Development and Economic Growth: An Explanation for Regional Disparities in China?', *Journal of Comparative Economics*, 29(1), pp. 95–117. doi: 10.1006/jcec.2000.1693.
- Denison, E. F. (1992) *Why Growth Rates Differ?* Washington D.C: Brookings Institute.
- Dereje, M. (2012) 'the Impact of Government Expenditure on Economic Growth in Ethiopia'.
- Dervis, K. and Klugman, J. (2011) 'Measuring human progress: The contribution of the Human Development Index and related indices', *Revue d'Economie Politique*, 121(1), pp. 73–92. doi: 10.3917/redp.211.0073.
- Desai, M. (1991) 'Human development. Concepts and measurement', *European Economic Review*, 35(2–3), pp. 350–357. doi: 10.1016/0014-2921(91)90136-7.
- Development, D. F. I. (2002) *Making connections: infrastructure for poverty reduction*. London.
- Diamantopoulos, A. and Siguaw, J. (2011) *Introducing LISREL, Introducing LISREL*. doi: 10.4135/9781849209359.

- Dickens, R., Machin, S. and Manning, A. (1999) 'The effects of minimum wages on employment: Theory and evidence from Britain', *Journal of Labor Economics*, 17(1), pp. 1–22. doi: 10.1086/209911.
- Dissou, Y., Didic, S. and Yakautsava, T. (2016) 'Government spending on education, human capital accumulation, and growth', *Economic Modelling*, 58, pp. 9–21. doi: 10.1016/j.econmod.2016.04.015.
- Dobrovolskienė, N., Tvaronavičienė, M. and Tamošiūnienė, R. (2017) 'Tackling projects on sustainability: A lithuanian case study', *Entrepreneurship and Sustainability Issues*, 4(4), pp. 477–488. doi: 10.9770/jesi.2017.4.4(6).
- Dolton, P. (2012) 'The administration and impact of a national minimum wage: lessons for Germany', *Journal for Labour Market Research*, 45(3–4), pp. 201–208. doi: 10.1007/s12651-012-0121-y.
- Dolton, P., Bondibene, C. R. and Stops, M. (2015) 'Identifying the employment effect of invoking and changing the minimum wage: A spatial analysis of the UK', *Labour Economics*. Elsevier B.V., 37, pp. 54–76. doi: 10.1016/j.labeco.2015.09.002.
- Domínguez-Serrano, M. and Blancas, F. J. (2011) 'A Gender Wellbeing Composite Indicator: The Best-Worst Global Evaluation Approach', *Social Indicators Research*, 102(3), pp. 477–496. doi: 10.1007/s11205-010-9687-3.
- Dornbusch, Rudiger, S. F. & R. S. (2004) *Macroeconomics*. 8th edn. USA: The McGraw-Hill/Irwin.
- Douglas, P. H. (1934) *The Theory of Wages*. New York: Macmillan.
- Dube, A., Lester, T. W. and Reich, M. (2010) 'Minimum wage effects across state borders: Estimates using contiguous counties', *The Review of Economics and Statistics*, 92(4), pp. 945–964.
- Ebuh, G. U. *et al.* (2019) 'The Infrastructure–Growth Nexus in Nigeria: A Reassessment', *Journal of Infrastructure Development*, 11(1–2), pp. 41–58. doi: 10.1177/0974930619872096.
- Edeme., E. a. (2017) 'Distributional impact of public expenditure on human development in Nigeria', *International Journal of Social Economics*, 44(2), pp. 1–13. doi: <https://doi.org/10.1108/IJSE-05-2016-0152>.
- Edeme, R. K. (2014) 'Analyzing the effects of sectoral public spending on human development in Nigeria: Evidence from panel data', *IOSR Journal of Humanities and Social Science*, 19(9), pp. 1–13.
- Edeme, R. K. and Nkalu, C. N. (2019) 'Public expenditure and human development in Nigeria in the last decade, composition and distributional impacts', *Economics and Business Letters*, 8(2), pp. 62–73. doi: 10.17811/eb1.8.2.2019.62-73.
- Eduardhus, T. (2001) *Analisis Investasi dan Manajemen Portofolio*. Pertama. Yogyakarta: BPF.
- Ehrlich, I. (2007) 'The Mystery of Human Capital as Engine of Growth or Why the US Became the Economic Superpower in the 20th Century', *NBER*

- Working Paper 12868, Cambridge. NBER*, pp. 1–43.
- Engen, Eric M and Skinner, J. (1992) 'Fiscal Policy And Economic Growth', *National Bureau of Economic Research*.
- Eryigit, S. B., Eryigit, K. Y. and Selen, U. (2012) 'the Long-Run Linkages Between Education, Health and Defence Expenditures and Economic Growth: Evidence From Turkey', *Defence and Peace Economics*, 23(6), pp. 559–574. doi: 10.1080/10242694.2012.663577.
- Estache, A. and Fay, M. (2009) 'Current Debates on Infrastructure Policy', *Policy Research Working Paper 4410, Washington: The World Bank*, (November), pp. 151–194.
- Fadilah, A., Ananda, C. F. and Kaluge, D. (2018) 'A Panel Approach : How Does Government Expenditure Influence Human Development Index ?', *Jurnal Ekonomi dan Studi Pembangunan*, 10(2), pp. 130–139.
- Fair, C. & (2004) *Prinsip-Prinsip Ekonomi Makro*. Jakarta: PT Intan Sejati Klaten.
- Fakayode, B. S. *et al.* (2008) 'An economic survey of rural infrastructures and agricultural productivity profiles in Nigeria', *European Journal of Social Sciences*, 7(2), pp. 144–157.
- Fan, Shenggen; Hazell, Peter., and Thorat, S. (2000) *Linkage between Government Spending, Human Development and Poverty in Rural India*. Washington, D.C.
- Fan, S., Zhang, L. and Zhang, X. (2002) 'Growth, inequality, and poverty in rural China', *International Food Policy Research Institute (IFPRI)*, (February).
- Faramarzi, A. *et al.* (2014) 'Long Run Impact of Government Expenditure and Tax on Liquidity and Employment in Iran ' s Economy', *International Journal of Research and Reviews in Applied Sciences*, 18(1), pp. 65–72.
- Faridi, M. Z., Chaudhry, M. O. and Ramzan, M. (2015) 'Role of Infrastructure in Poverty Alleviation : Evidence from Pakistan', *Pakistan Journal of Social Sciences (PJSS)*, 35(2), pp. 533–542.
- Fattah, Sanusi dan Muji, A. (2012) 'Local Government Expenditure Allocation toward Human Development Index at Jeneponto Regency, South Sulawesi, Indonesia', *IOSR Journal of Humanities and Social Science*, 5(6), pp. 40–50. doi: 10.9790/0837-0564050.
- Febriarta, P. P. and Sutrisna, I. K. (2020) 'Open Access The Effect of Infrastructure Government Expenditures , Health , And Education On Economic Growth and Public Welfare in City / Regency of Bali Province', *American Journal of Humanities and Social Sciences Research (AJHSSR)*, (4), pp. 36–43.
- Fedderke, J. W. and Bogetic, Z. (2009) *Infrastructure And Growth In South Africa : Direct And Indirect Productivity Impacts Of 19 Infrastructure Measures, Policy Research Working Papers*. The World Bank. doi: 10.1596/1813-9450-3989.
- Fedderke, J. W., Perkins, P. and Luiz, J. M. (2006) 'Infrastructural investment in long-run economic growth: South Africa 1875-2001', *World Development*,

- 34(6), pp. 1037–1059. doi: 10.1016/j.worlddev.2005.11.004.
- Ferraz, D. *et al.* (2020) 'Linking Human Development and the Financial Responsibility of Regions: Combined Index Proposals Using Methods from Data Envelopment Analysis', *Social Indicators Research*. Springer Netherlands, 150(2), pp. 439–478. doi: 10.1007/s11205-020-02338-3.
- Fitzenberger, B. and Doerr, A. (2016) 'Konzeptionelle Lehren aus der ersten Evaluationsrunde der Branchenmindestlöhne in Deutschland', *Journal for Labour Market Research*, 49(4), pp. 329–347. doi: 10.1007/s12651-016-0214-0.
- Folster, Stefan and Henrekson, M. (2001) 'Growth Effects of Government Expenditure and Taxation in Rich Countries', *Also in the European Economic Review*, 45(8), pp. 1501–1520. doi: 10.1016/S0014-2921(00)00083-0.
- Ford, Robert; and Poret, P. (1991) 'Infrastructure and Private- Sector Productivity', *OECD Econ Stud*, (91), p. :63–89. doi: <https://doi.org/10.1787/18151973>.
- Frank, R. H., & Bernanke, B. S. (2007) *Principles of Microeconomics*. 3rd edn. New York: McGraw-Hill/Irwin.
- Freeman, R. B. (1996) 'The minimum wage as a redistributive tool', *Economic Journal*, 106(436), pp. 639–649. doi: 10.2307/2235571.
- Fukuda-Parr, S. (2003) 'The human development paradigm: Operationalizing Sen's ideas on capabilities', *Feminist Economics*, 9(2–3), pp. 301–317. doi: 10.1080/1354570022000077980.
- Fukuda-Parr, S., Lawson-Remer, T. and Randolph, S. (2009) 'An Index of Economic and Social Rights Fulfillment: Concept and Methodology', *Journal of Human Rights*, 8(3), pp. 195–221. doi: 10.1080/14754830903110194.
- Gabriel, A. A. (2013) 'Trade Liberalisation, Economic Growth and Human Resource Development in Nigeria: Causal Implications (1980-2009)', *Journal of Economics and Behavioral Studies*, 5(10), pp. 696–707. doi: 10.22610/jeb.v5i10.443.
- Garcia-Mila, T., McGuire, T.J. and Porter, R. . (1996) 'The Effect of Public Capital in State-Level Production Functions Reconsidered', *The Review of Economics and Statistics*, 78(1), pp. 177–180. doi: <https://doi.org/10.2307/2109857>.
- Garloff, A. (2019) 'Did the German Minimum Wage Reform Influence (Un)employment Growth in 2015? Evidence from Regional Data', *German Economic Review*, 20(3), pp. 356–381. doi: 10.1111/geer.12200.
- Gifari, A. (2016) 'Munich Personal RePEc Archive The effects of government expenditure on economic growth : the case of Malaysia', (71254).
- Gindling, T. H. and Terrell, K. (2007) 'The effects of multiple minimum wages throughout the labor market: The case of Costa Rica', *Labour Economics*, 14(3), pp. 485–511. doi: <https://doi.org/10.1016/j.labeco.2006.01.004>.

- Giuliano, L. (2013) 'Minimum wage effects on employment, substitution, and the teenage labor supply: Evidence from personnel data', *Journal of Labor Economics*, 31(1), pp. 155–194. doi: 10.1086/666921.
- Goulet, D. (1971) *The Cruel choice: A New Concept in the Theory of Development*. New York: Atheum.
- Gramlich, E. (1994) 'Infrastructure Investment: a Review Essay', *Journal of Economic Literature*, 32(3), pp. 1176–1196.
- Grigg, N., and Fontane, G. (2000) 'Infrastructure System Management & Optimization, Internasional', in *Seminar Paradigm & Strategy of Infrastructure Management, Civil Engeenering Departement Dipononegoro University*.
- Grimm, M. *et al.* (2008) 'A Human Development Index by Income Groups', *World Development*. Elsevier Ltd, 36(12), pp. 2527–2546. doi: 10.1016/j.worlddev.2007.12.001.
- Grossman, M. (1972) 'On the concept Health capital and the Demand for Health', *Journal of Political Economy*, 80(2), pp. 223–255.
- Gupta, S., V. & T. E. R. (2002) 'The Effectiveness of Government Spending on Education and Health Care in Developing and transition Economies.', *European journal of political economy*, 18, pp. 717–713.
- Gupta, R. (2018) 'The Impact of Government Expenditure on Economic Growth in Nepal', *SSRN Electronic Journal*, pp. 1–6. doi: 10.2139/ssrn.3099218.
- Gupta, S., Verhoeven, M. and Tiongson, E. R. (2002) 'The effectiveness of government spending on education and health care in developing and transition economies', *Journal of Political Economy*. Elsevier, 18(4), pp. 717–737. doi: [https://doi.org/10.1016/S0176-2680\(02\)00116-7](https://doi.org/10.1016/S0176-2680(02)00116-7).
- Gupta, S., Verhoeven, M. and Tiongson, E. R. (2003) 'Public spending on health care and the poor', *Health Economics*, 12(8), pp. 685–696. doi: 10.1002/hec.759.
- Gupta, S., Verhoeven, M. and Tiongson, E. R. (2021) 'Does Higher Government Spending Buy Better Results in Education and Health Care?', *SSRN Electronic Journal*. doi: 10.2139/ssrn.880548.
- Gwartney, J., Holcombe, R. and Lawson, R. (1998) 'The Scope of Government and the Wealth of Nations', *Cato Journal*, 18(2), pp. 163–190.
- Hair, J. F. *et al.* (2010) 'Multivariate Data Analysis', *Vectors*. doi: 10.1016/j.ijpharm.2011.02.019.
- Hák, T., Moldan, B. and Dahl, A. L. (2007) *Sustainability Indicators*. Washington, DC: Island Press.
- Halim, A. (2007) *Akuntansi Keuangan Daerah*. Jakarta: Salemba Empat.
- Hao, E., & Fan, J. (2001) 'Design and Implementation of the Vietnam Human Development Programmes-the Poor or the Shocked', *World Bank Policy Research Working Paper*, (2436).

- Haq, M. U. (1996) *Reflections on Human Development*. 1st Editio. New York: Oxford University Press.
- Haque, M. I. and Khan, M. R. (2019) 'Role of oil production and government expenditure in improving human development index: Evidence from Saudi Arabia', *Journal of Energy Economics and Policy*. search.proquest.com, 9(2), pp. 251–256. doi: <https://doi.org/10.32479/ijeep.7404>.
- Haque, S. T. (2012) 'Effect of Public Investment on Economic Growth in Kenya', *International Journal of Research in Commerce, Economics and Management*, (June 2012), pp. 104–126.
- Harkness, S. (2004) *Social and Political Indicators of Human Well- Being, Research Paper No . 2004 / 33*. Helsinki.
- Harttgen, K. and Klasen, S. (2010) *A Household-Based Human Development Index, Human Development Research Papers, 2010/22*,. New York.
- Haughton, JH; and Khandker, S. (2009) *Handbook on poverty and inequality, Journal of Materials Processing Technology*. Washington, DC: World Bank.
- Haughwout, A. F. (2002) 'Public infrastructure investments, productivity and welfare in fixed geographic areas', *Journal of Public Economics*, 83(3), pp. 405–428. doi: 10.1016/S0047-2727(00)00164-X.
- Helmets, G. A. (2004) 'Labor Costs and Production Efficiency', *DigitalCommons@University of Nebraska - Lincoln*.
- Herinoto, H. and Zulfanetti, Z. (2021) 'Faktor penentu indeks pembangunan manusia dan hubungannya dengan belanja infrastruktur serta pertumbuhan ekonomi Kabupaten/Kota Provinsi Jambi', *Jurnal Paradigma Ekonomika*, 16(2), pp. 343–358.
- Hermes, N. and Lensink, R. (2001) *Fiscal Policy and Private Investment in Less Developed Countries*. Available at: <http://hdl.handle.net/10419/53076>.
- Herrero, C., Martínez, R. and Villar, A. (2010) 'Multidimensional social evaluation: An application to the measurement of human development', *Review of Income and Wealth*, 56(3), pp. 483–497. doi: 10.1111/j.1475-4991.2009.00375.x.
- Herrero, C., Martínez, R. and Villar, A. (2012) 'A Newer human development index', *Journal of Human Development and Capabilities*, 13(2), pp. 247–268. doi: 10.1080/19452829.2011.645027.
- Heryanah (2017) 'Kesenjangan Pendapatan Di Indonesia: Studi Empiris Berdasarkan Susenas 2008, 2011 dan 2013', *BPPK*, 10(2), pp. 43–58.
- Hicks, D. A. (1997) 'The Inequality-Adjusted Human Development Index: A Constructive Proposal', *World Development*, 25(8), pp. 1283–1298. doi: 10.1016/S0305-750X(97)00034-X.
- Hirai, T. (2017) *The Creation of the Human Development Approach*. Springer International Publishing.

- Hirsch, B. T., Kaufman, B. E. and Zelenska, T. (2011) *Minimum wage channels of adjustment, Working Paper, Discussion Paper series, Forschungsinstitut zur Zukunft der Arbeit.*
- Hirschman, A. O. (1957) 'Association Investment Policies and "Dualism" in Underdeveloped Countries', *The American Economic Review*, 47(5), pp. 550–570. doi: <http://www.jstor.org/stable/1811737>.
- Hirschowitz, Ros and Orkin, M. (1997) 'Inequality in South Africa: Findings from the 1994 October Household Survey', *Social Indicators Research*, 41(1), pp. 119–136.
- Hoffman, S. D. (2014) 'Employment effects of the 2009 minimum wage increase: New evidence from state-based comparisons of workers by skill level', *B.E. Journal of Economic Analysis and Policy*, 14(3), pp. 695–721. doi: 10.1515/bejeap-2012-0004.
- Holtz-Eakin, D. and Schwartz, A. E. (1995) 'Infrastructure in a structural model of economic growth', *Regional Science and Urban Economics*, 25(2), pp. 131–151. doi: 10.1016/0166-0462(94)02080-Z.
- Hooper, D., Coughlan, J. and Mullen, M. R. (2008) 'Structural equation modelling: Guidelines for determining model fit', *Electronic Journal of Business Research Methods*, 6(1), pp. 53–60. doi: 10.21427/D79B73.
- Hu, L. T. and Bentler, P. M. (1999) 'Cutoff criteria for fit indexes in covariance structure analysis: Conventional criteria versus new alternatives', *Structural Equation Modeling: A Multidisciplinary Journal*, 6(1), pp. 1–55. doi: 10.1080/10705519909540118.
- Huang, Y., Loungani, P. and Wang, G. (2014) 'Minimum Wages and Firm Employment: Evidence from China', *IMF Working Papers*, 14(184), pp. 1–44. doi: 10.5089/9781498332309.001.
- Hull, K. (2009) 'Understanding the Relationship between Economic Growth , Employment and Poverty Reduction *', *Promoting Pro-Poor Growth: Employment.*
- Hulland, J., Chow, Y. H. and Lam, S. (1996) 'Use of causal models in marketing research: A review', *International Journal of Research in Marketing*, 13(2), pp. 181–197. doi: 10.1016/0167-8116(96)00002-X.
- Hussain, S. *et al.* (2020) 'The relationship between Gross Domestic Product and Human Development Index: Evidence from 11 Middle East countries', *RMC Journal of Social Sciences and Humanities*, 1(2), pp. 41–48. doi: 10.46256/rmcjsochum.v1i2.78.
- Ignatavičius, R., Tvaronavičiene, M. and Piccinetti, L. (2015) 'Sustainable development through technology transfer networks: Case of Lithuania', *Journal of Security and Sustainability Issues*, 4(3), pp. 261–267. doi: 10.9770/jssi.2015.4.3(6).
- Iheanacho, E. (2016) 'The Contribution of Government Expenditure on Economic Growth of Nigeria Disaggregated Approach', *International Journal of Economics & Management Sciences*, 5(5), pp. 1–8. doi: 10.4172/2162-

6359.1000369.

- Iheoma, C. G. (2012) 'Social Spending and Human Development in Selected West African Countries', *SSRN Electronic Journal*, (42139). doi: 10.2139/ssrn.2129219.
- Iheoma, C. G. (2014) 'Impact of social spending on human development in sub-Saharan Africa', *American Journal of Social Sciences*, 2(2), pp. 29–35.
- Islam, S. (1995) 'The human development index and per capita GDP', *Applied Economics Letters*, 2(5), pp. 166–167. doi: 10.1080/135048595357537.
- Izzaty and Sari, R. (2013) 'Kebijakan Penetapan Upah Minimum Di Indonesia', *Jurnal Ekonomi & Kebijakan Publik*, 4(2), pp. 131–145. doi: 10.22212/jekp.v4i2.49.
- Jack, W. (1999) *Principles of Health Economics for Developing Countries*. World Bank Institute Development Studies.
- Jadhav, P., Pani, U. and Katti, V. (2020) *Energy, Environment and Globalization*, *Energy, Environment and Globalization*. Springer Singapore. doi: 10.1007/978-981-13-9310-5.
- Jahan, S. (2002) 'Measuring living standard and poverty: Human Development Index as an alternate measure', *Working paper of the programme on Global Labor Standards and Living Wages University of Massachusetts*, pp. 1–14.
- Jamison, D. T. and Wang, J. (2004) 'Health's Contribution to Economic Growth in an Environment of Partially Endogenous Technical Progress', *Working Paper No 10, Bethesda, Maryland: Fogarty International Centre, NIH*.
- Jeff-Anyeneh, S. E. and Ibenta, S. N. (2019) 'Government Expenditure and Economic Growth: Evidence from the Nigeria Economy (1981 – 2016)', *Advances in Research*, 19(4), pp. 1–14. doi: 10.9734/air/2019/v19i430128.
- Jensen, M and Mecking, W. (1976) 'Theory of The Firm: Managerial Behaviour, Agency Cost and Ownership Structure', *Journal of financial Economics*, 3(4), pp. 305–360. doi: [https://doi.org/10.1016/0304-405X\(76\)90026-X](https://doi.org/10.1016/0304-405X(76)90026-X).
- Jeswani, H. K. *et al.* (2010) 'Options for broadening and deepening the LCA approaches', *Journal of Cleaner Production*. Elsevier Ltd, 18(2), pp. 120–127. doi: 10.1016/j.jclepro.2009.09.023.
- Jha, R. P. *et al.* (2017) 'Health Adjusted Human Development Index: A Modified Measure of Human Development', *International Journal of Health Sciences & Research*, 7(9), pp. 207–220.
- Jhingan, M. . (2016) *Ekonomi Pembangunan dan Perencanaan*. Jakarta: PT Raja Grafindo Persada.
- Jolly, R. (1976) 'The World Employment Conference: The Enthronement of Basic Needs', *Development Policy Review*, A9(2), pp. 31–44. doi: 10.1111/j.1467-7679.1976.tb00338.x.

- Jonadi, Arius; Amar, S dan Aimon, H. (2012) 'Analisis Pertumbuhan Ekonomi Dan Kemiskinan Di Indonesia', *Jurnal Kajian Ekonomi*, 1(1), pp. 140–164.
- Kaho, J. R. (2010) *Prospek Otonomi Daerah di Negara Republik Indonesia*. Jakarta: PT Raja Grafindo Persada.
- Kai Ming Au, A., Altman, Y. and Roussel, J. (2008) 'Employee training needs and perceived value of training in the Pearl River Delta of China A', *Journal of European Industrial Training*, 32(1), pp. 19–32. doi: <https://doi.org/10.1108/03090590810846548>.
- Kaitz, Hyman, B. (1970) 'Analyzing the Length of Spells of Unemployment.', *Monthly Labor Review*, 93(11), pp. 11–20. Available at: www.jstor.org/stable/41837841.
- Kaming, P. F. and Raharjo, F. (2017) 'Kajian Mengenai Kecukupan Infrastruktur di Kawasan Timur Indonesia', *Prosiding Konferensi Nasional Teknik Sipil dan Perencanaan (KN-TSP) 2017*, pp. 310–320.
- Kapunda, S. M. and Topera, J. S. (2013) 'Public Expenditure Composition and Economic Growth in Tanzania: Socio-economic Policy Implications', *Asian-African Journal of Economics and Econometrics*, 13(1), pp. 61–70.
- Karnitis, E., Bicevskis, J. and Karnitis, G. (2021) 'Measuring the Implementation of the Agenda 2030 Vision in Its Comprehensive Sense: Methodology and Tool', *Energies*, 14(4), p. 856. doi: 10.3390/en14040856.
- Kaufmann, D., Kraay, A. and Mastruzzi, M. (2009) 'Governance matters VII: Aggregate and individual governance indicators 1996-2007', *Non-State Actors as Standard Setters*, pp. 146–188. doi: 10.1017/CBO9780511635519.007.
- Khan, H. N. *et al.* (2016) 'Health Care Expenditure and Economic Growth in SAARC Countries (1995–2012): A Panel Causality Analysis', *Applied Research in Quality of Life*, 11(3), pp. 639–661. doi: 10.1007/s11482-015-9385-z.
- Khan, N. H., Ju, Y. and Hassan, S. T. (2019) 'Investigating the determinants of human development index in Pakistan: an empirical analysis', *Environmental Science and Pollution Research*, 26(19). doi: 10.1007/s11356-019-05271-2.
- Khodabakhshi, A. (2011) 'Relationship between GDP and Human Development Indices in India', *International Journal of Trade, Economics and Finance*, 2(3), pp. 251–253. doi: 10.7763/ijtef.2011.v2.111.
- Kiran, R., Subashini K, N. (2014) 'Impact of Economic Growth on Employment in India.', *International Journal of Innovative Research in Science, Engineering and Technology*, 3(4), pp. 11064–11069.
- Klasen, B. S. (2018) 'Human Development Indices and Indicators: A Critical Evaluation', *Human Development Indices and Indicators 2018*. doi: 10.18356/656a3808-en.
- Kodoatie, R. J. (2005) *Pengantar Manajemen Infrastruktur*. Yogyakarta: Pustaka

Pelajar.

- Komro, K. A. *et al.* (2016) 'The effect of an increased minimum wage on infant mortality and birth weight', *American Journal of Public Health*, 106(8), pp. 1514–1516. doi: 10.2105/AJPH.2016.303268.
- Koutsoyiannis, A. (1982) *Modern Microeconomics*. Second Edi. London: Mac Millan Education.
- Kovacevic, M. S. (2014) 'Review of HDI Critiques and Potential Improvements Milorad Kovacevic', *Human Development Research Paper*, (January 2010), p. 2.
- Kurniawan, I., Murtala, M. and Juanda, R. (2021) 'Efisiensi Belanja Pemerintah Terhadap Indeks Pembangunan Manusia Secara Regional di Indonesia', *Jurnal Ekonomi Regional Unimal*, 3(3), pp. 15–22. doi: 10.29103/jeru.v3i3.3858.
- Kurt, S. (2015) 'Government health expenditures and economic growth: A feder–ram approach for the case of Turkey', *International Journal of Economics and Financial Issues*, 5(2), pp. 441–447.
- Kusharjanto, H. and Kim, D. (2011) 'Infrastructure and human development: The case of Java, Indonesia', *Journal of the Asia Pacific Economy*, 16(1), pp. 111–124. doi: 10.1080/13547860.2011.539407.
- Kuznets, S. (1934) 'National Income, 1929-1932', *NBER, National Bureau of Economic Research*, (June), pp. 1–12.
- de la Croix, D. and Delavallade, C. (2009) 'Growth, public investment and corruption with failing institutions', *Economics of Governance*, 10(3), p. 187. doi: 10.1007/s10101-008-0057-4.
- De la Fuente, A. (2006) 'Human capital in growth regressions: How much difference does data quality make?', *Journal of the European Economic Association*, 4(1), pp. 1–36. doi: 10.1162/jeea.2006.4.1.1.
- De La Fuente, A. (2000) 'Human capital in growth regressions: how much difference does data quality make?', *Economic Department Working Paper No262, Paris: OECD, 2000*.
- de la Vega, M. C. L. and Urrutia, A. M. (2001) 'HDPI: A framework for pollution-sensitive human development indicators', *Environment, Development and Sustainability*, 3, pp. 199–215. doi: 10.1023/A:1012738731198.
- Lago-Peñas, S., Cantarero-Prieto, D. and Blázquez-Fernández, C. (2013) 'On the relationship between GDP and health care expenditure: A new look', *Economic Modelling*. Elsevier B.V., 32(1), pp. 124–129. doi: 10.1016/j.econmod.2013.01.021.
- Lahirushan, K. and Gunasekara, W. (2015) 'The Impact Of Government Expenditure on Economic Growth: A Study of Asian Countries', *International Journal of Humanities and Social Sciences*, 9(9), pp. 3152–3160. doi: doi.org/10.5281/zenodo.1338436.
- Landau, D. L. (1985) 'Government expenditure and economic growth in the

- developed countries: 1952-76', *Public Choice*, 47, pp. 459–477. doi: <https://doi.org/10.1007/BF00182148>.
- Lee, J.-W. (2007) 'Economic growth and human development in the Republic of Korea, 1945-1992', *Reconstruction*.
- Lemos, S. (2008) 'A survey of the effects of the minimum wage on prices', *Journal of Economic Surveys*, 22(1), pp. 187–212. doi: 10.1111/j.1467-6419.2007.00532.x.
- Li, H. et al. (2017) 'Human capital and China's future growth', *Journal of Economic Perspectives*, 31(1), pp. 25–48. doi: 10.1257/jep.31.1.25.
- LI, H. and HUANG, L. (2009) 'Health, education, and economic growth in China: Empirical findings and implications', *China Economic Review*. Elsevier Inc., 20(3), pp. 374–387. doi: 10.1016/j.chieco.2008.05.001.
- Lin, S. A. Y. (1994) 'Government spending and economic growth', *Applied Economics*, 26(1), pp. 83–94. doi: 10.1080/00036849400000064.
- Linhartova, V. (2021) 'Analyzing the role of public expenditures in human development: Panel data analysis of EU-28 countries', *Montenegrin Journal of Economics*, 17(1), pp. 85–96. doi: 10.14254/1800-5845/2021.17-1.6.
- Loening, J. L. (2005) *Effect of Primary, Secondary and Tertiary Education on Economic Growth*. Washington D.C: World Bank.
- Loizides, J. and Vamvoukas, G. (2005) 'Government Expenditure and Economic Growth: Evidence from Trivariate Causality Testing', *Journal of Applied Economics*, 8(1), pp. 125–152. doi: 10.1080/15140326.2005.12040621.
- Lucas, R. E. (1988) 'On the mechanics of economic development', *Journal of Monetary Economics*, 22(1), pp. 3–42. doi: 10.1016/0304-3932(88)90168-7.
- Luttmer, E. F. P. (2007) 'Does the minimum wage cause inefficient rationing?', *B.E. Journal of Economic Analysis and Policy*, 7(1). doi: 10.2202/1935-1682.1768.
- Luu, H. N. et al. (2019) 'Infrastructure and economic development in developing economies: New empirical evidence from night-time satellite imagery in Vietnam', *International Journal of Social Economics*, 46(4), pp. 581–594. doi: 10.1108/IJSE-05-2018-0252.
- Macerinskaite, R., Kedaitis, V., and Balezentis, T. (2016) 'The linkages between minimum wage and macroeconomic indicators in the European Union', *Management Theory and Studies for Rural Business and Infrastructure Development*, 38(1), pp. 36–47. doi: 10.15544/mts.2016.4.
- Maharajabdinul, et. a. (2015) 'Contribution Of Fiscal Decentralization To Poverty Reduction In Eastern Indonesia', *IOSR Journal of Business and Management Ver. III*, 17(12), pp. 2319–7668. doi: 10.9790/487X-171235360.
- Maharda, J. B. and Aulia, B. Z. (2020) 'Government Expenditure and Human

- Development in Indonesia', *Jambura Equilibrium Journal*, 2(2), pp. 81–94. doi: 10.37479/jej.v2i2.6901.
- Majid, M. F. *et al.* (2016) 'Do minimum wages improve early life health? Evidence from developing countries', *Social Science and Medicine*. Elsevier Ltd, 158, pp. 105–113. doi: 10.1016/j.socscimed.2016.04.019.
- Mallick, L. (2016) 'Impact of educational expenditure on economic growth in major Asian countries: Evidence from econometric analysis', *Theoretical and Applied Economics*, XXIII(2), pp. 173–186.
- Mangkoesebroto, G. (2001) *Ekonomi Publik*. Ketiga. Yogyakarta: BPFE.
- Mankiw, Gregory; Quah, Euston; and Wilson, P. (2013) *Pengantar Ekonomi Makro*. Jakarta: Salemba Empat.
- Mankiw Gregory, N., Romer, D. and Weil, D. N. (1992) 'A contribution to the empirics of economic growth', *Quarterly Journal of Economics*, 107(2), pp. 407–437. doi: 10.2307/2118477.
- Mankiw, N. G. (1995) *The growth of nations, Brookings Papers on Economic Activity*. doi: 10.1038/474448a.
- Mankiw, N. G. (2000) 'The Savers-Spenders Theory of Fiscal Policy', *National Bureau of Economic Research*. doi: 10.3386/w7571.
- Mankiw, N. G. (2003) *Macroeconomics*. New York: Worth Publisher.
- Mankiw, N. G. (2007) *Macroeconomics*. 6th edn. USA: South-Western Cengage Learning.
- Maqin, R. A. and Sidharta, I. (2017) 'The relationship of economic growth with human development and electricity consumption in Indonesia', *International Journal of Energy Economics and Policy*, 7(3), pp. 201–207.
- Marcuss, R. D. and Kane, R. E. (2007) 'U.S. National Income and Product Statistics: Born of the Great Depression and World War II', *Bureau of Economic Analysis: Survey of Current Business*, 82(2), pp. 32–46.
- Mardiana, M., Militina, T. and Utary, A. R. (2017) 'Analisis pengaruh pengeluaran pemerintah daerah sektor pendidikan dan kesehatan serta infrastruktur terhadap tingkat pengangguran serta tingkat kemiskinan', *Inovasi*, 13(1), pp. 50–60. doi: 10.29264/jinv.v13i1.2437.
- Mark Mitchell, P. (2016) 'The Capability Approach: From Theory to Practice', *Journal of Human Development and Capabilities*, 17(2), pp. 295–296. doi: 10.1080/19452829.2016.1155794.
- Marlow, M. L. (1995) *Public Finance Theory and Practice*. United State of America: The Dry Press Harcourt Brace College Publishers.
- Maryaningsih, N., Hermansyah, O. and Savitri, M. (2014) 'The Role of Infrastructure on Economic Growth in Indonesia', *Bulletin of Monetary, Economics and Banking*, 17, pp. 55–88.
- Maryanti; Rahmatia; Nursini and Fattah, S. (2020) 'Measuring Sustainability

- Development Index in Indonesia', *International Journal of Innovative Science and Research Technology*, 5(2), pp. 52–60.
- Mayanja Lwanga, M. and Mawejje, J. (2014) 'Macroeconomic Effects of Budget Deficits in Uganda: A VAR-VECM Approach', *Advances in Management & Applied Economics*, 4(6), pp. 1792–7552.
- Mayer, E. M. S. S. . (2005) 'Government expenditures and unemployment : a DSGE perspective', *Discussion Paper Series 1: Economic Studies No 18/2010*, Deutsche Bank, Frankfurt.
- McCulla, S H; and Smith, S. (2007) *Measuring the economy: A primer on GDP and the National Income and Product Accounts*, *Measuring the Economy: A Primer on GDP and the National Income and Product Accounts*. Bureau of Economic Analysis.
- McDonald, R. and Ho, M.-H. (2002) 'Principles and Practice in Reporting Structural Equation Analyses', *Psychological methods*, 7, pp. 64–82. doi: 10.1037/1082-989X.7.1.64.
- McDonald, R. P. and Marsh, H. W. (1990) 'Choosing a multivariate model: Noncentrality and goodness of fit', *Psychological Bulletin*, 107(2), pp. 247–255. doi: 10.1037/0033-2909.107.2.247.
- McGuire, T. (1992) *Highways and Macroeconomic Productivity: Phase Two*. Washington, DC: Federal Highway Administration.
- Meer, J. and West, J. (2016) 'Effects of the minimum wage on employment dynamics', *Journal of Human Resources*, 51(2), pp. 500–522. doi: 10.3368/jhr.51.2.0414-6298R1.
- Mercan, M. and Sezer, S. (2014) 'The Effect of Education Expenditure on Economic Growth: The Case of Turkey', *Procedia - Social and Behavioral Sciences*. Elsevier B.V., 109, pp. 925–930. doi: 10.1016/j.sbspro.2013.12.565.
- Mihci, H., Taner, M. T. and Sezen, B. (2012) 'Employment-adjusted human development index', *South East European Journal of Economics and Business*, 7(2), pp. 115–137. doi: 10.2478/v10033-012-0020-8.
- Miles, J. and Shevlin, M. (2007) 'A time and a place for incremental fit indices', *Personality and Individual Differences*, 42(5), pp. 869–874. doi: 10.1016/j.paid.2006.09.022.
- Mincer, J. (1958) 'Investment in Human Capital and Personal Income Distribution', *Journal of Political Economy*, 66(4), pp. 281–302. doi: <http://dx.doi.org/10.1086/258055>.
- Mincer, J. (1972) *Schooling, Experience and Earnings*. New York: NBER.
- Misini, S. and Badivuku-Pantina, M. (2017) 'The Effect of Economic Growth in Relation to Unemployment', *Journal of Economics and Economic Education Research*, 18(2), pp. 1–9.
- Mittal, P. (2016) 'Social Sector Expenditure and Human Development of Indian States', *Munich Personal RePEc Archive*.

- Mohanty, A. K., Nayak, N. C. and Chatterjee, B. (2016) 'Does Infrastructure Affect Human Development? Evidences from Odisha, India', *Journal of Infrastructure Development*, 8(1), pp. 1–26. doi: 10.1177/0974930616640086.
- Mohanty, R. and Bhanumurthy, N. (2018) 'Assessing Public Expenditure Efficiency at Indian States', *National Institute of Public Finance and Policy Working Papers*, 225(219).
- Mohanty, R. K. and Bhanumurthy, N. R. (2020) 'Assessing public expenditure efficiency at the subnational level in India: Does governance matter?', *Journal of Public Affairs*, (April), pp. 1–14. doi: 10.1002/pa.2173.
- Morris, M. D. (1979) *Measuring the Condition of the World's Poor: The Physical Quality of Life Index*. London: Frank Cass.
- Morse, S. (2003) 'Greening the United Nation's human development index?', *Sustainable Development*, 11(4), pp. 183–198. doi: 10.1002/sd.219.
- Morse, S. (2014) 'Stirring the pot. Influence of changes in methodology of the Human Development Index on reporting by the press', *Ecological Indicators*, 45(Oktober), pp. 245–254. doi: 10.1016/j.ecolind.2014.04.023.
- Muhammed, A. (2014) 'Government Spending for Economic Growth in Ethiopia: Ethiopian Civil Service University, School of Graduate Studies', *Journal of Economics and Sustainable Development*, 5(9), pp. 66–75.
- Mukherjee, S. and Chakraborty, D. (2012) 'Is There any Relationship Between Economic Growth and Human Development? Evidence from Indian States', *SSRN Electronic Journal*. doi: 10.2139/ssrn.1624465.
- Munnell, A. H. (1990) 'How Does Public Infrastructure Affect Regional Economic Performance?', *New England Economic Review*, (September), pp. 11–33.
- Munnell, A. H. (1992) 'Policy Watch: Infrastructure Investment and Economic Growth', *Journal of Economic Perspectives*, 6(4), pp. 189–198. doi: 10.1257/jep.6.4.189.
- Musgrave, R A and Musgrave, P. B. (1989) *Public Finance In Theory and Praticce*. Edited by 5th Ed. New York: McGraw Hill.
- Mushtaq, M. *et al.* (2014) 'Panel Cointegration Analysis of Government Spending, Exports, Imports and Economic Growth', *International Review of Research in Emerging Markets and the Global Economy (IRREM) An Online International Research Journal*, 1(2), pp. 81–89.
- Nabeela Asghar (2012) 'The impact of government spending on poverty reduction: Evidence from Pakistan 1972 to 2008', *African Journal Of Business Management*, 6(3). doi: 10.5897/ajbm11.922.
- Nafziger, E. W. (2006) *Economic Development*. 4th edn. Cambridg.
- Nainggola, Irianto, J. (2013) 'Rogram Percepatan Pembangunan Infrastruktur Daerah Melalui Regional Infrastructure Development Fund', *Defis* 7.
- Narayan, S., Narayan, P. K. and Mishra, S. (2010) 'Investigating the relationship

- between health and economic growth: Empirical evidence from a panel of 5 Asian countries', *Journal of Asian Economics*. Elsevier Inc., 21(4), pp. 404–411. doi: 10.1016/j.asieco.2010.03.006.
- Nasiru, I. (2012) 'Government Expenditure and Economic Growth in Nigeria: Cointegration Analysis and Causality Testing', *Academic Research International*, 2(3), pp. 718–723.
- Ndambiri, H. . *et al.* (2012) 'Determinants Of Economic Growth In Sub-Saharan Africa: A Panel Data Approach', *International Journal of Economics And Management Sciences*, 2(2), pp. 18–24.
- Nelson, Ricard R; Phelps, E. S. (1966) 'Investment in Humans, Technological Diffusion, and Economic Growth', *Studies in Macroeconomic Theory*, 56(1), pp. 69–75.
- Nematollahi, O. *et al.* (2016) 'Energy demands and renewable energy resources in the Middle East', *Renewable and Sustainable Energy Reviews*. Elsevier, 54, pp. 1172–1181. doi: 10.1016/j.rser.2015.10.058.
- Ness, B. *et al.* (2007) 'Categorising tools for sustainability assessment', *Ecological Economics*, 60(3), pp. 498–508. doi: 10.1016/j.ecolecon.2006.07.023.
- Neumark, David; Wascher, W. L. (2008) *Minimum wages*. Cambridge, MA: The MIT Press.
- Neumark, D., Salas, J. M. I. and Wascher, W. (2014) 'Revisiting the minimum wage-employment debate: Throwing out the baby with the bathwater?', *ILR Review*, 67(SUPPL), pp. 608–648. doi: 10.1177/00197939140670s307.
- Neumark, D. and Wascher, W. L. (2007) 'Minimum wages and employment', *Foundations and Trends in Microeconomics*, 3(1), pp. 1–182. doi: 10.1561/07000000015.
- Neumayer, E. (2001) 'The human development index and sustainability - A constructive proposal', *Ecological Economics*, 39(1), pp. 101–114. doi: 10.1016/S0921-8009(01)00201-4.
- Neumayer, E. (2012) 'Sustainability and Inequality in Human Development', *SSRN Electronic Journal*. doi: 10.2139/ssrn.1905536.
- Noorbakhsh, F. (1998) 'The Human Development Index: Some technical issues and alternative indices', *Journal of International Development*, 10(5), pp. 589–605. doi: 10.1002/(SICI)1099-1328(199807/08)10:5<589::AID-JID484>3.0.CO;2-S.
- Nubukpo, K. (2007) 'Dépenses publiques et croissance des pays de l'Union économique et monétaire ouest-africaine (UEMOA)', *Afrique Contemporaine*, 222(2), pp. 223–250. doi: 10.3917/afco.222.0223.
- Nursini, N. (2017) 'Effect of Fiscal Policy and Trade Openness on Economic Growth in Indonesia: 1990-2015', *International Journal of Economics and Financial Issues*, 7(1), pp. 358–364.
- Nurudeen, A. and Usman, A. (2010) 'Government Expenditure And Economic

- Growth In Nigeria, 1970-2008: A Disaggregated Analysis', *Business and Economics Journal*, 1(1), pp. 1–11.
- Nussbaum, M. C., & Sen, A. K. (1993) *The quality of life*. Oxford: Clarendon Press.
- Nussbaum, M. C. (2000) *Women and human development: The capabilities approach*. New York: Cambridge University Press.
- Nwani, S. E. and Kelikume, I. (2019) 'Causal Linkage amongst Public Expenditure on Health, Health Status and Growth: New Empirical Evidence from Toda-Yamamoto Approach for Nigeria', *Journal of Scientific Research and Reports*, 24(3), pp. 1–13. doi: 10.9734/jsrr/2019/v24i330155.
- Obad, J. and Jamal, Y. (2016) 'L'impact des dépenses publiques sur la croissance économique au Maroc : Application de l'approche ARDL', *International Journal of Innovation and Applied Studies*, 16(2), pp. 444–455.
- Ogwang, T. (2000) 'Inter-country inequality in human development indicators', *Applied Economics Letters*, 7(7), pp. 443–446. doi: 10.1080/135048500351140.
- Okombi, I. . (2018) 'The Impact Of Government Expenditure On Economic Growth In Congo', *IJER*, 9(i1), pp. 19–36.
- Olaoye, C.O & Oladipo, O. N. (2019) 'The EffectThe Effect of Public Expenditure on the Economic Growth (Study in Nigeria, 1986 – 2016)', *International Journal of Zamrut*, 4(1), pp. 1–12.
- Olofin, O. P. (2020) 'Human Development, Government Spending and Economic Growth in West Africa', *Asian Research Journal of Arts & Social Sciences*, 10(2), pp. 30–36. doi: 10.9734/arjass/2020/v10i230143.
- Olukayode, M. . (2009) 'Does Government Spending Spur Economic Growth In Nigeria?', *Journal of Business Finance & Accounting*.
- Olulu, R. M., Erhieyovwe, E. K. and Andrew, U. (2014) 'Government expenditures and economic growth: The Nigerian experience', *Mediterranean Journal of Social Sciences*, 5(10 SPEC. ISSUE), pp. 89–94. doi: 10.5901/mjss.2014.v5n10p89.
- Osberg, L. and Sharpe, A. (2003) *Human well-being and economic well-being: What values are implicit in current indices*, Centre for the Study of Living Standards Research Report 2003/04. Ottawa.
- Ouattara, B. and Zhang, Y. F. (2019) 'Infrastructure and long-run economic growth: evidence from Chinese provinces', *Empirical Economics*. Springer Berlin Heidelberg, 57(1), pp. 263–284. doi: 10.1007/s00181-018-1429-4.
- Pahlevi, M. (2017) 'Impact of Governance and Government Expenditure on Human Development in Indonesia', *Research Paper of Master of Arts in Development Studies International Institute of Social Studies*.
- Panigrahi, R. and Sivramkrishna, S. (2002) 'An Adjusted Human Development Index: Robust Country Rankings with Respect to the Choice of Fixed Maximum and Minimum Indicator Values', *Journal of Human Development*, 3(2), pp. 301–311. doi: 10.1080/14649880220147365.

- Patel, G. and Annapoorna, M. S. (2019) 'Public Education Expenditure and Its Impact on Human Resource Development in India: An Empirical Analysis', *South Asian Journal of Human Resources Management*, 6(1), pp. 97–109. doi: 10.1177/2322093718813407.
- Patricia, C.N and Izuchukwu, C. . (2013) 'Impact of Government Expenditure On Economic Growth In Nigeria', *International Journal of Business and Management Review*, 1(4), pp. 64–71.
- Paul, S. (1996) 'A modified human development index and international comparison', *Applied Economics Letters*, 3(10), pp. 677–682. doi: 10.1080/135048596355925.
- Perkins, E. a. (2013) *Economics of Development*. London: Norton.
- Piabuo, S. M. and Tieguhong, J. C. (2017) 'Health expenditure and economic growth - a review of the literature and an analysis between the economic community for central African states (CEMAC) and selected African countries', *Health Economics Review*. 7(1), pp. 1–13. doi: 10.1186/s13561-017-0159-1.
- Pinheiro, A. C. C., Niederauer, J. M. and Vargas, D. M. (2014) 'Tendência secular de crescimento em estatura no município de Florianópolis (SC), Brasil, e sua associação com o índice de desenvolvimento humano (IDH)', *Ciencia e Saude Coletiva*, 19(1), pp. 227–233. doi: 10.1590/1413-81232014191.1913.
- Powell, D. (2017) *Synthetic Control Estimation Beyond Case Studies: Does the Minimum Wage Reduce Employment?*, *Rand Working Papers*. Santa Monica, Calif. doi: 10.7249/wr1142.
- Prasetyo, A. D. and Pudjono, A. N. S. (2013) 'Measuring Government Expenditure Efficiencies Towards Peace and Human Development', *The Asian Journal of Technology Management (AJTM)*, 6(2). doi: 10.12695/ajtm.2013.6.2.3.
- Presmchand, A. (1994) *Government Budgeting and Expenditure Controls Theory and Practice, Government Budgeting and Expenditure Management*. Washington D.C: International Monetary Fund.
- Pressman, S. (2002) *Lima Puluh Pemikir Ekonomi Dunia*. Jakarta: PT. Raja Grafindo Persada.
- Pritchett, L. (1996) 'Mind Your P's and Q'S: The Cost of Public Investment is Not the Value of Public Capital', *World Bank policy research working paper*.
- Putra, A. P. (2021) *Alasan Pendapatan Per Kapita RI Kalah dengan Malaysia dan Korsel*, [merdeka.com](https://www.merdeka.com/merdeka.com). Available at: <https://www.merdeka.com/uang/alasan-pendapatan-per-kapita-ri-kalah-dengan-malaysia-dan-korsel.html>.
- Quiggin, J. (1996) 'Private sector involvement in infrastructure projects', *Australian Economic Review*, 29(1), pp. 51–64. doi: 10.1111/j.1467-8462.1996.tb00915.x.
- Qureshi, M. A. (2008) 'Challenging trickle-down approach: Modelling and

- simulation of public expenditure and human development - The case of Pakistan', *International Journal of Social Economics*, 35(4), pp. 269–282. doi: 10.1108/03068290810854547.
- Rahmah, Aliya and Noorasiah (2012) 'Globalisation and Labour Productivity in the Malaysian Manufacturing Sector', *Review of Economics & Finance*, 9(4), pp. 3235–3242.
- Rajkumar, A. S. and Swaroop, V. (2008) 'Public spending and outcomes: Does governance matter?', *Journal of Development Economics*, 86(1), pp. 96–111. doi: 10.1016/j.jdeveco.2007.08.003.
- Ram, R. (1986) 'Government size and economic growth: A new framework and some evidence from cross-section and time-series data', *American Economic Review*, 76(1), pp. 191–203.
- Ramathan, B. (1999) 'Environment Sensitive Human Development Index: Issues and Alternatives', *Indian Social Sciences Review*, 1, pp. 193–201.
- Ranis, Gustav; Stewart, Frances and Ramires, A. (2000) 'Economic Growth and Human Development', *World Development*, 28(2), pp. 197–219. Available at: www.elsevier.com/locate/worlddev.
- Ranis, G. (2004) 'Human Development and Economic Growth', *Center Discussion Paper, No. 887*, pp. 1–13.
- Ranis, G. and Stewart, F. (2000) 'Strategies for Success in Human Development', *Journal of Human Development*, 1(1), pp. 49–69. doi: 10.1080/14649880050008764.
- Ranis, G. and Stewart, F. (2005) 'Dynamic Links between the Economy and Human Development', *DESA Working Paper No. 8*, 050(8), pp. 1–16.
- Ranis, G., Stewart, F. and Samman, E. (2006) 'Human Development: Beyond the Human Development Index', *Journal of Human Development*, 7(3), pp. 323–358. doi: 10.1080/14649880600815917.
- Ranjan, P. and Panda, P. K. (2022) 'Pattern of Development Spending and Its Impact on Human Development Index and Gross State Domestic Product in Low-income States in India', *Journal of Development Policy and Practice*, 7(1), pp. 71–95. doi: 10.1177/24551333211047358.
- Rastogi, P. N. (2002) 'Knowledge management and intellectual capital as a paradigm of value creation', *Human Systems Management*, 21(4), pp. 229–240. doi: 10.3233/hsm-2002-21402.
- Ravallion, M. (2003) 'The debate on globalization, poverty and inequality: Why measurement matters', *International Affairs*. doi: 10.1111/1468-2346.00334.
- Ravallion, M. (2012) 'Troubling tradeoffs in the Human Development Index', *Journal of Development Economics*. Elsevier B.V., 99(2), pp. 201–209. doi: 10.1016/j.jdeveco.2012.01.003.
- Ray, D. (1997) *Development Economics*. Princeton: Princeton University Press.

- Ray, D. (1998) *Development Economics*. New Jersey: Princeton University Press.
- Ray, M. (2014) 'Redefining the Human Development Index to Account for Sustainability', *Atlantic Economic Journal*, 42, pp. 305–316. doi: 10.1007/s11293-014-9424-4.
- Razmi, M. J., Abbasian, E and Mohammadi, S. (2012) 'Investigating the Effect of Government Health Expenditure on HDI in Iran', *Journal of Knowledge Management, Economics and Information Technology*, 2(5), pp. 126–139.
- Reddy, S. M. and Narsi Reddy, V. V. (2019) 'Social sector expenditures and their impact on human development in India: Empirical evidence during 2001-02 to 2015-16', *International Journal of Recent Technology and Engineering*, 7(6), pp. 1938–1943.
- Richardson, W. H. (2001) *Dasar-Dasar Ilmu Ekonomi Regional*. Revisi. Jakarta: LP-FEUI.
- Ritonga, I. T. (2014) *Analisis Laporan Keuangan Pemerintah Daerah*. Yogyakarta: Pustaka Pelajar.
- Rivera, B & Currais, L. (1999) 'Economic growth and health: direct impact or reverse causation?', *Applied Economics Letters*, 6, pp. 761-764. doi: <https://doi.org/10.1080/135048599352367>.
- Rivera, B. and Currais, L. (1999) 'Income variation and health expenditure: Evidence for OECD countries', *Review of Development Economics*, 3(3), pp. 258–267. doi: 10.1111/1467-9361.00066.
- Robeyns, I. (2003) 'Sen's capability approach and gender inequality: Selecting relevant capabilities', *Feminist Economics*, 9(2–3), pp. 61–92. doi: 10.1080/1354570022000078024.
- Robeyns, I. (2005) 'The Capability Approach: a theoretical survey', *Journal of Human Development*, 6(1), pp. 93–117. doi: 10.1080/146498805200034266.
- Robeyns, I. (2006) 'The capability approach in practice', *Journal of Political Philosophy*, 14(3), pp. 351–376. doi: 10.1111/j.1467-9760.2006.00263.x.
- Romer, D. (1996) *Advanced Macroeconomics*. McGraw-Hill.
- Romer, P. (1997) 'The origins of endogenous growth', *A Macroeconomics Reader*, 8(1), pp. 3–22. doi: 10.4324/9780203443965.ch26.
- Romer, P. M. (1986) 'Increasing Returns and Long-Run Growth', *The Journal of Political Economy*, 94(5), pp. 1002–1037.
- Romer, P. M. (1990) 'Endogenous technological change', *Journal of Political Economy*, 98(5), pp. S71–S102. doi: 10.3386/w3210.
- Romer, P. M. (1994) 'The Origins of Endogenous Growth', *Journal of Economic Perspectives*, 8(1), pp. 3–22. doi: 10.1257/jep.8.1.3.
- Rosen, H. S. (1999) *Public Finance*. New York: McGraw-Hill.
- Rosen, H. S. (2014) *Public Finance*. Tenth Edit. the McGraw-Hill Series in

Economics.

- Rosen, S. (1976) 'A Theory of Life Earnings', *Journal of Political Economy*, 84(4), pp. S45–S49.
- Rosenstein-Rodan, P. . (1943) 'Problems of Industrialisation of Eastern and South-Eastern Europe', *The Economic Journal*, 53(210/211), pp. 202–211. doi: 10.2307/2226317.
- Ross, A. G. (2015) 'An empirical analysis of Chinese outward foreign direct investment in Africa', *Journal of Chinese Economic and Foreign Trade Studies*, 8(1), pp. 4–19. doi: <http://dx.doi.org/10.1108/JCEFTS-12-2014-0025>.
- Rutkowski, J. (2003) 'The Minimum Wage : Curse or Cure?', *The World Bank*, pp. 1–15.
- Ruzima, M. and Veerachamy, P. (2021) 'The impact of public spending in education and health on human development in India', *Journal of the Asia Pacific Economy*. Routledge, pp. 1–14. doi: 10.1080/13547860.2021.1952920.
- Sabia, J. J., Burkhauser, R. V. and Hansen, B. (2012) 'Are the effects of minimum wage increases always small? New evidence from a case study of New York State', *Industrial and Labor Relations Review*, 65(2), pp. 350–376. doi: 10.1177/001979391206500207.
- Sabir (2015) *Pengaruh Alokasi Belanja Modal Terhadap Pertumbuhan Ekonomi, Ketimpangan Pendapatan, Penyerapan Tenaga Kerja Dan Kesejahteraan Masyarakat Kabupaten/Kota Di Provinsi Sulawesi Selatan Tahun 2008-2013*. Program Doktor Ilmu Ekonomi Pascasarjana Fakultas Ekonomi Dan Bisnis Universitas Brawijaya.
- Sadono, S. (2007) *Ekonomi Pembangunan Proses, Masalah dan Dasar Kebijakan*. Kedua. Jakarta: Prenada Kencana Group.
- Sagar, A. D. and Najam, A. (1998) 'The human development index: A critical review', *Ecological Economics*, 25(3), pp. 249–264. doi: 10.1016/S0921-8009(97)00168-7.
- Sahn, D. E. and Younger, S. D. (1999) 'Dominance Testing of Social Sector Expenditures and Taxes in Africa', *IMF Working Papers*. doi: 10.5089/9781451858556.001.
- Sahoo, Pravakar; Dash, Ranjan Kumar; and Nataraj, G. (2010) 'Infrastructure Development and Economic Growth in China', *Infrastructure Development and Economic Growth in China*. Japan, 14(4), pp. 351–365. doi: 10.1080/13547860903169340.
- Santoyo-Castelazo, E. and Azapagic, A. (2014) 'Sustainability assessment of energy systems: Integrating environmental, economic and social aspects', *Journal of Cleaner Production*. Elsevier Ltd, 80(2014), pp. 119–138. doi: 10.1016/j.jclepro.2014.05.061.
- Sapkota, J. B. (2014) 'Access to Infrastructure and Human Development: Cross-

Country Evidence', *Working Papers*, (70).

- Saraswati, E. (2013) 'Public Spending Education and Inequality: A Case Study in Indonesia', *International Journal of Social Science and Humanity*, 2(5), pp. 427–431. doi: 10.7763/ijssh.2012.v2.139.
- Sasana, H. (2009) 'Peran Desentralisasi Fiskal Terhadap Kinerja Ekonomi Di Kabupaten/Kota Provinsi Jawa Tengah', *Jurnal Ekonomi Pembangunan: Kajian Masalah Ekonomi dan Pembangunan*, 10(1), p. 103. doi: 10.23917/jep.v10i1.811.
- Schaltegger, C. A. and Torgler, B. (2006) 'Growth effects of public expenditure on the state and local level: Evidence from a sample of rich governments', *Applied Economics*, 38(10), pp. 1181–1192. doi: 10.1080/00036840500392334.
- Schmitt, J. (2013) 'Why Does the Minimum Wage Have No Discernible Effect on Employment?', *Center for Economic and Policy Research*, (February), pp. 1–28.
- Schultz, T. W. (1961) 'American Economic Association Investment in Human Capital', *The American Economic Review*, 51(1), pp. 1–17.
- Seeta, K. P. (2001) *Economic Reform and Social Sector Development*. New Delhi: Sage.
- Sen, A. (1979) 'The Welfare Basis of Real Income Comparisons: A Survey', *Journal of Economic Literature*, 17(1), pp. 1–45.
- Sen, A. (1993) 'Capability and well-being. In M. Nussbaum & A. Sen (Eds.)', *Quality of life*, pp. 30–53. doi: 10.1093/0198287976.001.0001.
- Sen, Amartya (2000) 'A Decade of Human Development', *Journal of Human Development*, 1(1), pp. 17–23. doi: 10.1080/14649880050008746.
- Sen, A (2000) *Development as freedom*. New Delh: Oxford University Press.
- Sen, A. . (1982) *Choice, Welfare and Measurement*. Oxford: Basil Blackwell.
- Sen, A. K. (1980) *Equality of What? In: McMurrin S Tanner Lectures on Human Values*. Cambridge: Cambridge university press.
- Sen, A. K. (1988) *The Concept of Development. In: Chenery H, Srinivasan TN Handbook of Development Economics*. Amsterdam: North Holland.
- Sen, A. K. (1998) *Development as Freedom*. New York: Knopf.
- Servén, L. and Calderón M., C. (2004) 'The Effects of Infrastructure Development on Growth and Income Distribution', *Documentos de Trabajo (Banco Central de Chile)*, (270), pp. 1–47. doi: 10.1596/1813-9450-3400.
- Seth, Suman and Santos, E. (2018) *Multidimensional Inequality and Human Development, Oxford Poverty and Human Development Initiative*. Oxford.
- Seth, S. (2009) 'Inequality, Interactions, and Human Development', *Journal of Human Development and Capabilities*, 10(3), pp. 375–396. doi: 10.1080/19452820903048878.

- Seth, S. (2013) 'A class of distribution and association sensitive multidimensional welfare indices', *Journal of Economic Inequality*, 11(2), pp. 133–162. doi: 10.1007/s10888-011-9210-3.
- Sethi, N. *et al.* (2020) 'Health Expenditure and Economic Growth Nexus: Empirical Evidence from South Asian Countries', *Global Business Review*, pp. 1–15. doi: 10.1177/0972150920963069.
- Setiadi, E. (2006) *Pengaruh Pembangunan Infrastruktur Dasar terhadap Pertumbuhan Ekonomi Regional (8 Provinsi di Pulau Sumatera)*. Jakarta: Tesis Magister Sains. Program Pascasarjana, Universitas Indonesia.
- Shams, M.N.A and Murad, S. W. . and Science, N. (2009) 'Cointegration Analysis , Causality Testing and Wagner ' s Law : The Case of', *The Jahangirnagar Review, Part II: Social Sciences*, 33(September), pp. 11–18.
- Shevlin, M. and Miles, J. N. V. (1998) 'Effects of sample size, model specification and factor loadings on the GFI in confirmatory factor analysis', *Personality and Individual Differences*, 25(1), pp. 85–90. doi: 10.1016/S0191-8869(98)00055-5.
- Simanjuntak, P. J. (1992) 'Issues on Industrial Relations in Indonesia'. Jakarta: The Department of Manpower of The Republic of Indonesia.
- Simanjuntak, P. J. (2001) *Pengantar Ekonomi Sumber Daya Manusia*. Jakarta: Lembaga Penerbit Fakultas Ekonomi UI.
- Siregar, H. and Wahyuni, D. (2007) 'Dampak Pertumbuhan Ekonomi Terhadap Penurunan Jumlah Penduduk Miskin', *Jurnal Ekonomi Institut Pertanian Bogor*, pp. 23–40.
- Sjafrizal (2012) *Ekonomi Perkotaan*. Jakarta: Rajawali Press.
- Slesman, L., Baharumshah, A. Z. and Ra'ees, W. (2015) 'Institutional infrastructure and economic growth in member countries of the Organization of Islamic Cooperation (OIC)', *Economic Modelling*. Elsevier B.V., 51, pp. 214–226. doi: 10.1016/j.econmod.2015.08.008.
- Smith, P. (1993) 'Measuring Human Development', *Asian Economic Journal*, 7(1), pp. 89–106. doi: 10.1111/j.1467-8381.1993.tb00103.x.
- Soeherman, Achmad Daengs Gatot; Mursinto, Djoko; and Ratnawati, T. (2014) 'The Influential of Private Investment, Public Investment on Economic Growth and Labor Absorption and Public Welfare of District/City in East Java Province', *GSTF Journal on Business Review (GBR)*, 3(4), pp. 45–62. doi: 10.5176/2010-4804_3.4.342.
- Solikin, A. (2018) 'Pengeluaran Pemerintah Dan Perkembangan Perekonomian (Hukum Wagner) Di Negara Sedang Berkembang: Tinjauan Sistematis', *Info Artha*, 2(1), pp. 65–89. doi: 10.31092/jia.v2i1.237.
- Stephen, O. dan and Oluranti, I. (2011) 'Government Expenditure on Human Capital Development: Implications for Economic Growth in Nigeria', *Journal of Sustainable Development*, 4(3), pp. 72–80. doi: 10.5539/jsd.v4n3p72.

- Stewart, M. B. (2002) 'Estimating the impact of the minimum wage using geographical wage variation', *Oxford Bulletin of Economics and Statistics*, 64(SUPPL.), pp. 583–605. doi: 10.1111/1468-0084.64.s.2.
- Stewart, M. B. (2004) 'The employment effects of the national minimum wage', *Economic Journal*, 114(494), pp. 110–116. doi: 10.1111/j.0013-0133.2003.00200.x.
- Stiglitz, Joseph; Sen, Amartya; and Jean, P. F. (2010) *Mismeasuring Our Lives: Why GDP Doesn't Add Up*. New York: The New Press.
- Strauss, J. et al. (1998) 'Health , Nutrition , and Economic Development', *Journal of Economic Literature*, 36(2), pp. 766–817.
- Streeten, E. a. (1981) *First Things First: Meeting Basic Human Needs in Developing Countries*. New York: Oxford University Press.
- Strielkowski, W. and Čábelková, I. (2015) 'Religion, culture, and tax evasion: Evidence from the Czech Republic', *Religions*, 6(2), pp. 657–669. doi: 10.3390/rel6020657.
- Strielkowski, W., Štreimikienė, D. and Bilan, Y. (2017) 'Network charging and residential tariffs: A case of household photovoltaics in the United Kingdom', *Renewable and Sustainable Energy Reviews*, 77(April), pp. 461–473. doi: 10.1016/j.rser.2017.04.029.
- Stupak, J. M. (2018) 'Economic impact of infrastructure investment', *U.S. Infrastructure: Government Programs and Economic Impacts*, pp. 25–49.
- Sugiyono (2010) *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif, Dan R&D*. Bandung: Alfabeta.
- Suharti, undefined (2013) 'Trends in Education in Indonesia'. ISEAS–Yusof Ishak Institute, pp. 15–52.
- Sukirno, S. (2013) *Pengantar Teori Makroekonomi*. Jakarta: Raja Garfindo Persada.
- Suleiman, Najat Nassor & Albiman, M. M. (2014) 'Dynamic relationship between tourism, trade, infrastructure and economic growth: Empirical evidence From Malaysia.', *Journal of African Studies and Development*, 6(3), pp. 49–55. doi: 10.5897/jasd2013.0260.
- Sulistiawati, R. (2012) 'Pengaruh Investasi Terhadap Pertumbuhan Ekonomi Dan Penyerapan Tenaga Kerja Serta Kesejahteraan Masyarakat Di Provinsi Di Indonesia', *Jurnal Ekonomi, Bisnis dan Kewirausahaan Untan*, 3(1), pp. 29–50. doi: 10.26418/jebik.v3i1.9888.
- Sulistyowati, N. (2014) 'The Effect of Educational, Health, Infrastructure Expenses on the Workforce Employment and Poverty', *Bisnis & Birokrasi Journal*, 20(3). doi: 10.20476/jbb.v20i3.3208.
- Sumarsono (2003) *Ekonomi Manajemen Sumberdaya Manusia & Ketenagakerjaan*. Yogyakarta: Graha Ilmu.
- Sunarsih et al. (2019) 'The effect of minimum wage on employment, economic

- growth and social welfare in the ex besuki residency of east Java-Indonesia', *International Journal of Scientific and Technology Research*, 8(6), pp. 82–89.
- Suri, E. a. (2011) 'Paths to Success: The Relationship Between Human Development and Economic Growth', *World Development*, 39(4), pp. 506–522. doi: <https://doi.org/10.1016/j.worlddev.2010.08.020>.
- Suryahadi, A., et. a. (2001) *Wage and Employment Effects of Minimum Wage Policy in the Indonesian Urban Labor Market*. Jakarta.
- Szirmai, A. (2015) *Socio-Economic Development*. 2nd editio. Cambridge: Cambridge university press.
- Tabachnick, B. G. and Fidell, L. S. (2019) *Using Multivariate Statistics (7th edition)*, Boston: Pearson Allyn and Bacon.
- Tachiwou, A. M. and Hamadou, O. (2011) 'Infrastructure Development and Economic Growth in Togo', *International Journal of Economics and Finance*, 3(3), pp. 131–138. doi: 10.5539/ijef.v3n3p131.
- Tarigan, R. (2005) *Ekonomi Regional: Teori dan Aplikasi*. Revisi. Jakarta: Bumi Aksara.
- Tatom, J. A. (1991) 'Public Capital and Private Sector Performance', *Review*, 73(3). doi: 10.20955/r.73.3-15.
- Todaro, M., and Smith, S. (2015) *Economic Development*. 12th editi. New York: Pearson.
- Todaro, Michael P; Smith, S. C. (2009) *Pembangunan Ekonomi: Kesebelas*. Jakarta: Erlangga.
- Todaro, M. P. (2000) *Pembangunan Ekonomi di Dunia Ketiga*. Jakarta: Erlangga.
- Togtokh, Chuluun; and Gaffney, O. (2010) '2010 Human Sustainable Development Index: Web-magazine of the United Nations University'.
- Toye, J. F. . (1981) *Public Expenditures and Indian Contemporary China*. New York: Routledge.
- Türe, C. (2013) 'A methodology to analyse the relations of ecological footprint corresponding with human development index: Eco-sustainable human development index', *International Journal of Sustainable Development and World Ecology*, 20(1), pp. 9–19. doi: 10.1080/13504509.2012.751562.
- Türe, C. and Türe, Y. (2021) 'A model for the sustainability assessment based on the human development index in districts of Megacity Istanbul (Turkey)', *Environment, Development and Sustainability*, 23(3), pp. 3623–3637. doi: 10.1007/s10668-020-00735-9.
- Tvaronavičienė, M. et al. (2015) 'Energy security and sustainable competitiveness of industry development', *Economic Research-Ekonomska Istrazivanja* . Routledge, 28(1), pp. 502–515. doi: 10.1080/1331677X.2015.1082435.

- Tvaronavičienė, M. (2016) 'Entrepreneurship and energy consumption patterns: case of households in selected countries', *Entrepreneurship and Sustainability Issues*, 4(1), pp. 74–82. doi: [http://dx.doi.org/10.9770/jesi.2016.4.1\(7\)](http://dx.doi.org/10.9770/jesi.2016.4.1(7)).
- Tvaronavičienė, M. and Cernevičiūtė, J. (2015) 'Technology transfer phenomenon and its impact on sustainable development', *Journal of Security and Sustainability Issues*, 5(1), pp. 87–97. doi: [10.9770/jssi.2015.5.1\(7\)](https://doi.org/10.9770/jssi.2015.5.1(7)).
- UNDP (2001) *Human development network – measuring country performance in health selected indicators for 115 countries*. Washington, DC and New York, NY: The World Bank Human Development Report.
- UNDP (2014) *Human Development Report- Sustaining Human Development Progress: Reducing Vulnerabilities and Building Resilience*. Washington D.C: The World Bank Human Development Report.
- UNDP (2016) *Human development report 2016. Technical notes, UNDP 2016*. Available at: [%0Ahdr.undp.org > sites > default > files > hdr2016_technical_notes_0](http://hdr.undp.org/sites/default/files/hdr2016_technical_notes_0) (Accessed: 27 February 2021).
- UNSRID (1972) *Content and Measurement of Socio Economic Development*. New York. Prager Publishers.
- Uzawa, H. (1965) 'Optimum Technical Change In An Aggregative Model Of Economic Growth', *International Economic Review*, 6(1), pp. 18–31. doi: [10.2307/2525621](https://doi.org/10.2307/2525621).
- Vällilä, T. (2020) 'Infrastructure and growth: A survey of macro-econometric research', *Structural Change and Economic Dynamics*, 53, pp. 39–49. doi: [10.1016/j.strueco.2020.01.007](https://doi.org/10.1016/j.strueco.2020.01.007).
- Varian, H. (1992) *Microeconomic Analysis*. THIRD EDIT. London: W. W. Norton & Company, Inc.
- Vedder, R. K. and Gallaway, L. E. (2001) 'Does the Minimum Wage Reduce Poverty?', (June).
- Vierstraete, V. (2012) 'Efficiency in human Development: a Data Envelopment Analysis', *The European Journal of Comparative Economics*, 9(2), pp. 425–443.
- Vytautas, I. and Simkunaite, I. (2009) 'Socio-economic impact of infrastructure investments', *Engineering Economics*, 3(63), pp. 16–25. doi: [10.5755/j01.ee.63.4.11638](https://doi.org/10.5755/j01.ee.63.4.11638).
- Wahyuddin (2020) 'Pengeluaran Pemerintah dan Implikasinya Terhadap Pertumbuhan Ekonomi dan Tingkat Kemiskinan di Indonesia', *Prosiding Seminar Akademik Tahunan Ilmu Ekonomi dan Studi Pembangunan*, pp. 103–113.
- Wahyudin, Andi; Agussalim dan Suhab, S. (2015) 'Pengeluaran Publik dan Pembangunan Manusia di Sulawesi Selatan', *E-Journal Program Pascasarjana Universitas Hasanuddin*, pp. 1–13.
- Wang, J. and Gunderson, M. (2011) 'Minimum wage impacts in china: Estimates

- from a prespecified research design, 2000-2007', *Contemporary Economic Policy*, 29(3), pp. 392–406. doi: 10.1111/j.1465-7287.2010.00239.x.
- Wehby, G. L., Dave, D. M. and Kaestner, R. (2020) 'Effects of the Minimum Wage on Infant Health', *Journal of Policy Analysis and Management*, 39(2), pp. 411–443. doi: 10.1002/pam.22174.
- Welsch, H. (2007) 'Environmental welfare analysis: A life satisfaction approach', *Ecological Economics*, 62(3–4), pp. 544–551. doi: 10.1016/j.ecolecon.2006.07.017.
- Widodo, P. *et al.* (2019) 'Government Spending on Education, Health, and Minimum Wages As Predictors of Human Development Index: Study of Selected Provinces of Indonesia', *International Journal of Advanced Economics*, 1(2), pp. 95–101. doi: 10.51594/ijae.v1i2.57.
- Wihastuti, L. and Rahmatullah, H. (2018) 'Upah Minimum Provinsi (UMP) dan Penyerapan Tenaga Kerja di Pulau Jawa', *Jurnal Gama Societa*, 1(1), pp. 96–102.
- Wilis, R. (2016) 'Analisis Pengaruh Upah Minimum, Investasi Dan Pengeluaran Pemerintah Terhadap Penyerapan Tenaga Kerja Berdasarkan Pendidikan', *El Dinar*, 3(1), pp. 12–26. doi: 10.18860/ed.v3i1.3335.
- Woessmann, H. dan (2007) *Education Quality and Economic Growth*. Washington, DC: The World Bank.
- Wu, J. and Liu, E. (1999) 'Minimum Wage Systems', *Legislative Council of the HongKong special Legislative Region of the People's Republic of China*, RP08/98-99(May), pp. 1–104.
- Wye, C. K. and Bahri, E. N. A. (2020) 'How does employment respond to minimum wage adjustment in China?', *Economic and Labour Relations Review*, 32(1), pp. 90–114. doi: 10.1177/1035304620970838.
- Xu, S., Huo, L. and Shang, W. (2015) 'The impact of wage distributions on economics growth based on multi-agent simulation', in *Procedia Computer Science*, pp. 809–817. doi: 10.1016/j.procs.2015.07.155.
- YAHIA, A. K. (2018) 'Estimation of Okun Coefficient for Algeria', *Munich Personal RePEc Archive*, (83707).
- Yuniasih, A. F., Firdaus, M. and Fahmi, I. (2013) 'Disparitas, Konvergensi, dan Determinan Produktivitas Tenaga Kerja Regional di Indonesia', *Jurnal Ekonomi dan Pembangunan Indonesia*, 14(1), pp. 63–81. doi: 10.21002/jepi.v14i1.447.
- Zavodny, M. (2000) 'The effect of the minimum wage on employment and hours', *Labour Economics*, 7(6), pp. 729–750. doi: 10.1016/S0927-5371(00)00021-X.
- Zipperer, B. (2016) 'Did the minimum wage or the Great Recession reduce low-wage employment? Comments on Clemens and Wither (2016)', *Washington Center for Equitable Growth Working Paper*.

Referensi Undang-undang dan Peraturan Pemerintah

Undang-Undang Nomor 6 Tahun 1996 tentang Perairan Indonesia

Undang-Undang Nomor 22 Tahun 1999 tentang Otonomi Daerah

Undang-undang Nomor 20 Tahun 2003 tentang Pendidikan Nasional

Undang-undang Nomor 13 tahun 2003 tentang Ketenagakerjaan

Undang-Undang Nomor 32 Tahun 2004 yang telah dirubah menjadi Undang-undang 23 Tahun 2014 tentang Pemerintahan Daerah

Undang-Undang Nomor 25 Tahun 2004 tentang Sistem Perencanaan Pembangunan Nasional (SPPN)

Undang-Undang Nomor 33 Tahun 2004 tentang Perimbangan Keuangan antara Pemerintah Pusat dan Daerah

Undang Undang Nomor 36 Tahun 2009 tentang Kesehatan

Peraturan Menteri Dalam Negeri Nomor 18 Tahun 2005 tentang Kode Dan Data Wilayah Administrasi Pemerintahan

Peraturan Menteri Dalam Negeri Nomor 13 tahun 2006 yang telah disempurnakan dengan Peraturan Menteri Dalam Negeri Nomor 59 Tahun 2007 tentang Pedoman Pengelolaan Keuangan Daerah

Peraturan Presiden Nomor 2 tahun 2015 tentang Rencana Pembangunan Jangka Menengah Nasional (RPJMN) 2015-2019

Peraturan Menteri Ketenagakerjaan Republik Indonesia Nomor 15 Tahun 2018

Peraturan Menteri Keuangan Republik Indonesia Nomor 127/PMK.02/2015 tentang Klasifikasi Anggaran

Peraturan pemerintah Nomor 12 Tahun 2019 tentang Pengelolaan Keuangan Daerah

Peraturan Menteri Dalam Negeri Republik Indonesia Nomor 146.1-4717 Tahun 2020 tentang Penetapan Kode Desa dan Data Wilayah Administrasi Pemerintahan tahun 2021

Lampiran 1 *Reduced Form*

$$Y_{1it} = f(X_{1it}, X_{2it}, X_{3it}, X_{4it}, X_{5it}, X_1X_{5it}, X_2X_{5it}, X_3X_{5it}, X_4X_{5it}) \quad (4.4)$$

$$Y_{2it} = f(Y_{1it}, X_{1it}, X_{2it}, X_{3it}, X_{4it}, X_{5it}, X_1X_{5it}, X_2X_{5it}, X_3X_{5it}, X_4X_{5it}) \quad (4.5)$$

$$Y_{3it} = f(Y_{1it}, Y_{2it}, X_{1it}, X_{2it}, X_{3it}, X_{4it}, X_{5it}, X_1X_{5it}, X_2X_{5it}, X_3X_{5it}, X_4X_{5it}) \quad (4.6)$$

Dimana:

X_1 = Belanja Infrastruktur

X_2 = Belanja pendidikan

X_3 = Belanja kesehatan

X_4 = Upah minimum provinsi

X_5 = Dummy Wilayah dimana 1 adalah KBI dan 0 adalah KTI

X_1X_5 = Belanja Infrastruktur antara KBI dan KTI

X_2X_5 = Belanja Pendidikan antara KBI dan KTI

X_3X_5 = Belanja Kesehatan antara KBI dan KTI

X_4X_5 = Upah Minimum Provinsi antara KBI dan KTI

Y_1 = Pertumbuhan ekonomi

Y_2 = Penyerapan Tenaga kerja

Y_3 = Kualitas Pembangunan manusia

i = unit *cross section*

t = periode waktu

Berdasarkan model fungsional (4.4); (4.5); (4.6), diandaikan mengikuti fungsi non-linear atau fungsi *Cobb Douglas*, maka bentuk persamaan maka dibentuk persamaan regresi yang dikembangkan sebagai berikut:

$$Y_{1it} = \alpha_0 X_{1it}^{\alpha_1} X_{2it}^{\alpha_2} X_{3it}^{\alpha_3} X_{4it}^{\alpha_4} e^{(\alpha_5 X_{5it} + \alpha_6 X_1 X_{5it} + \alpha_7 X_2 X_{5it} + \alpha_8 X_3 X_{5it} + \alpha_9 X_4 X_{5it} + \mu_{1it})} \quad (4.4.a)$$

$$Y_{2it} = \beta_0 Y_{1it}^{\beta_1} X_{1it}^{\beta_2} X_{2it}^{\beta_3} X_{3it}^{\beta_4} X_{4it}^{\beta_5} e^{(\beta_6 X_{5it} + \beta_7 X_1 X_{5it} + \beta_8 X_2 X_{5it} + \beta_9 X_3 X_{5it} + \beta_{10} X_4 X_{5it} + \mu_{2it})} \quad (4.5.a)$$

$$e^{Y_{3it}} = \lambda_0 Y_{1it}^{\lambda_1} Y_{2it}^{\lambda_2} X_{1it}^{\lambda_3} X_{2it}^{\lambda_4} X_{3it}^{\lambda_5} X_{4it}^{\lambda_6} e^{(\lambda_7 X_{5it} + \lambda_8 X_1 X_{5it} + \lambda_9 X_2 X_{5it} + \lambda_{10} X_3 X_{5it} + \lambda_{11} X_4 X_{5it} + \mu_{3it})} \quad (4.6.a)$$

Persamaan di atas dapat ditulis kembali menjadi:

$$\text{Ln}Y_{1it} = \text{Ln}\alpha_0 + \alpha_1 \text{Ln}X_{1it} + \alpha_2 \text{Ln}X_{2it} + \alpha_3 \text{Ln}X_{3it} + \alpha_4 \text{Ln}X_{4it} + \alpha_5 X_{5it} + \alpha_6 X_1 X_{5it} + \alpha_7 X_2 X_{5it} + \alpha_8 X_3 X_{5it} + \alpha_9 X_4 X_{5it} + \mu_{it1} \quad (4.4.b)$$

$$\text{Ln}Y_{2it} = \text{Ln}\beta_0 + \beta_1 \text{Ln}Y_{1it} + \beta_2 \text{Ln}X_{1it} + \beta_3 \text{Ln}X_{2it} + \beta_4 \text{Ln}X_{3it} + \beta_5 \text{Ln}X_{4it} + \beta_6 X_{5it} + \beta_7 X_1 X_{5it} + \beta_8 X_2 X_{5it} + \beta_9 X_3 X_{5it} + \beta_{10} X_4 X_{5it} + \mu_{it2} \quad (4.5.b)$$

$$Y_{3it} = \text{Ln}\lambda_0 + \lambda_1 \text{Ln}Y_{1it} + \lambda_2 \text{Ln}Y_{2it} + \lambda_3 \text{Ln}X_{1it} + \lambda_4 \text{Ln}X_{2it} + \lambda_5 \text{Ln}X_{3it} + \lambda_6 \text{Ln}X_{4it} + \lambda_7 X_{5it} + \lambda_8 X_1 X_{5it} + \lambda_9 X_2 X_{5it} + \lambda_{10} X_3 X_{5it} + \lambda_{11} X_4 X_{5it} + \mu_{it3} \quad (4.6.b)$$

Untuk mengestimasi persamaan di atas, tidak dapat dilakukan dengan OLS (*Ordinary Least Square*) sebelum dilakukan indentifikasi koefisien dengan memindahkan semua variabel endogen sebelah kiri dan variabel eksogen ke sebelah kanan, sebagai berikut:

$$\text{Ln}Y_{1it} = \text{Ln}\alpha_0 + \alpha_1 \text{Ln}X_{1it} + \alpha_2 \text{Ln}X_{2it} + \alpha_3 \text{Ln}X_{3it} + \alpha_4 \text{Ln}X_{4it} + \alpha_5 X_{5it} + \alpha_6 X_1 X_{5it} + \alpha_7 X_2 X_{5it} + \alpha_8 X_3 X_{5it} + \alpha_9 X_4 X_{5it} + \mu_{it} \quad (4.4.d)$$

$$-\beta_1 \text{Ln}Y_{1it} + \text{Ln}Y_{2it} = \text{Ln}\beta_0 + \beta_2 \text{Ln}X_{1it} + \beta_3 \text{Ln}X_{2it} + \beta_4 \text{Ln}X_{3it} + \beta_5 \text{Ln}X_{4it} + \beta_6 X_{5it} + \beta_7 X_1 X_{5it} + \beta_8 X_2 X_{5it} + \beta_9 X_3 X_{5it} + \beta_{10} X_4 X_{5it} + \mu_{it2} \quad (4.5.e)$$

$$-\lambda_1 \text{Ln}Y_{1it} - \lambda_2 \text{Ln}Y_{2it} + \text{Ln}Y_{3it} = \text{Ln}\lambda_0 + \lambda_3 \text{Ln}X_{1it} + \lambda_4 \text{Ln}X_{2it} + \lambda_5 \text{Ln}X_{3it} + \lambda_6 \text{Ln}X_{4it} + \lambda_7 X_{5it} + \lambda_8 X_1 X_{5it} + \lambda_9 X_2 X_{5it} + \lambda_{10} X_3 X_{5it} + \lambda_{11} X_4 X_{5it} + \mu_{it3} \quad (4.6.e)$$

Selanjutnya diformulasi kedalam bentuk matriks sebagai berikut:

$$\begin{bmatrix} 1 & 0 & 0 \\ -\beta_1 & 1 & 0 \\ -\lambda_1 & -\lambda_2 & 1 \end{bmatrix} = \begin{bmatrix} Y_{1it} \\ Y_{2it} \\ Y_{3it} \end{bmatrix}$$

$$= \begin{bmatrix} \text{Ln}\alpha_0 + \alpha_1 \text{Ln}X_{1it} + \alpha_2 \text{Ln}X_{2it} + \alpha_3 \text{Ln}X_{3it} + \alpha_4 \text{Ln}X_{4it} + \alpha_5 X_{5it} + \alpha_6 X_1 X_{5it} + \alpha_7 X_2 X_{5it} + \alpha_8 X_3 X_{5it} + \alpha_9 X_4 X_{5it} + \mu_{it1} \\ \text{Ln}\beta_0 + \beta_2 \text{Ln}X_{1it} + \beta_3 \text{Ln}X_{2it} + \beta_4 \text{Ln}X_{3it} + \beta_5 \text{Ln}X_{4it} + \beta_6 X_{5it} + \beta_7 X_1 X_{5it} + \beta_8 X_2 X_{5it} + \beta_9 X_3 X_{5it} + \beta_{10} X_4 X_{5it} + \mu_{it2} \\ \text{Ln}\lambda_0 + \lambda_3 \text{Ln}X_{1it} + \lambda_4 \text{Ln}X_{2it} + \lambda_5 \text{Ln}X_{3it} + \lambda_6 \text{Ln}X_{4it} + \lambda_7 X_{5it} + \lambda_8 X_1 X_{5it} + \lambda_9 X_2 X_{5it} + \lambda_{10} X_3 X_{5it} + \lambda_{11} X_4 X_{5it} + \mu_{it3} \end{bmatrix}$$

A

B

C

$$B = A^{-1} \times C$$

$$A^{-1} = \frac{1}{\text{Determinan } A} \text{Adjoin } (A)$$

Determinan A = 1 – 0 = 1

$$\text{Adjoin } A = \begin{bmatrix} 1 & -\beta_1 & -\lambda_1 \\ 0 & 1 & -\lambda_2 \\ 0 & 0 & 1 \end{bmatrix} = \begin{bmatrix} 1 & \beta_1 & \lambda_1 \\ 0 & 1 & \lambda_2 \\ 0 & 0 & 1 \end{bmatrix}$$

$$\begin{bmatrix} \text{Ln}Y_{1it} \\ \text{Ln}Y_{2it} \\ Y_{3it} \end{bmatrix} = \begin{bmatrix} 1 & \beta_1 & \lambda_1 \\ 0 & 1 & \lambda_2 \\ 0 & 0 & 1 \end{bmatrix}$$

$$= \begin{bmatrix} \text{Ln}\alpha_0 + \alpha_1 \text{Ln}X_{1it} + \alpha_2 \text{Ln}X_{2it} + \alpha_3 \text{Ln}X_{3it} + \alpha_4 \text{Ln}X_{4it} + \alpha_5 X_{5it} + \alpha_6 X_1 X_{5it} + \alpha_7 X_2 X_{5it} + \alpha_8 X_3 X_{5it} + \alpha_9 X_4 X_{5it} + \mu_{it1} \\ \text{Ln}\beta_0 + \beta_2 \text{Ln}X_{1it} + \beta_3 \text{Ln}X_{2it} + \beta_4 \text{Ln}X_{3it} + \beta_5 \text{Ln}X_{4it} + \beta_6 X_{5it} + \beta_7 X_1 X_{5it} + \beta_8 X_2 X_{5it} + \beta_9 X_3 X_{5it} + \beta_{10} X_4 X_{5it} + \mu_{it2} \\ \text{Ln}\lambda_0 + \lambda_3 \text{Ln}X_{1it} + \lambda_4 \text{Ln}X_{2it} + \lambda_5 \text{Ln}X_{3it} + \lambda_6 \text{Ln}X_{4it} + \lambda_7 X_{5it} + \lambda_8 X_1 X_{5it} + \lambda_9 X_2 X_{5it} + \lambda_{10} X_3 X_{5it} + \lambda_{11} X_4 X_{5it} + \mu_{it3} \end{bmatrix}$$

Sehingga diperoleh *reduced form* sebagai berikut:

$$\text{Ln}Y_{1it} = \text{Ln}\alpha_0 + \alpha_1 \text{Ln}X_{1it} + \alpha_2 \text{Ln}X_{2it} + \alpha_3 \text{Ln}X_{3it} + \alpha_4 \text{Ln}X_{4it} + \alpha_5 X_{5it} + \alpha_6 X_1 X_{5it} + \alpha_7 X_2 X_{5it} + \alpha_8 X_3 X_{5it} + \alpha_9 X_4 X_{5it} + \mu_{it1} \quad (4.7)$$

$$\text{Ln}Y_{2it} = \text{Ln}\beta_0 + \beta_1 \text{Ln}Y_{1it} + \beta_2 \text{Ln}X_{1it} + \beta_3 \text{Ln}X_{2it} + \beta_4 \text{Ln}X_{3it} + \beta_5 \text{Ln}X_{4it} + \beta_6 X_{5it} + \beta_7 X_1 X_{5it} + \beta_8 X_2 X_{5it} + \beta_9 X_3 X_{5it} + \beta_{10} X_4 X_{5it} + \mu_{it2} \quad (4.8)$$

$$\text{Ln}Y_{2it} = \text{Ln}\beta_0 + \beta_1 (\text{Ln}\alpha_0 + \alpha_1 \text{Ln}X_{1it} + \alpha_2 \text{Ln}X_{2it} + \alpha_3 \text{Ln}X_{3it} + \alpha_4 \text{Ln}X_{4it} + \alpha_5 X_{5it} + \alpha_6 X_1 X_{5it} + \alpha_7 X_2 X_{5it} + \alpha_8 X_3 X_{5it} + \alpha_9 X_4 X_{5it} + \mu_{it1}) + \beta_2 \text{Ln}X_{1it} + \beta_3 \text{Ln}X_{2it} + \beta_4 \text{Ln}X_{3it} + \beta_5 \text{Ln}X_{4it} + \beta_6 X_{5it} + \beta_7 X_1 X_{5it} + \beta_8 X_2 X_{5it} + \beta_9 X_3 X_{5it} + \beta_{10} X_4 X_{5it} + \mu_{it2} \quad (4.8.a)$$

$$\text{Ln}Y_{2it} = \text{Ln}\beta_0 + \beta_1 \text{Ln}\alpha_0 + \beta_1 \alpha_1 \text{Ln}X_{1it} + \beta_1 \alpha_2 \text{Ln}X_{2it} + \beta_1 \alpha_3 \text{Ln}X_{3it} + \beta_1 \alpha_4 \text{Ln}X_{4it} + \beta_1 \alpha_5 X_{5it} + \beta_1 \alpha_6 X_1 X_{5it} + \beta_1 \alpha_7 X_2 X_{5it} + \beta_1 \alpha_8 X_3 X_{5it} + \beta_1 \alpha_9 X_4 X_{5it} + \beta_1 \mu_{it1} + \beta_2 \text{Ln}X_{1it} + \beta_3 \text{Ln}X_{2it} + \beta_4 \text{Ln}X_{3it} + \beta_5 \text{Ln}X_{4it} + \beta_6 X_{5it} + \beta_7 X_1 X_{5it} + \beta_8 X_2 X_{5it} + \beta_9 X_3 X_{5it} + \beta_{10} X_4 X_{5it} + \mu_{it2} \quad (4.8.b)$$

$$\text{Ln}Y_{2it} = (\text{Ln}\beta_0 + \beta_1 \text{Ln}\alpha_0) + (\beta_1 \alpha_1 \text{Ln}X_{1it} + \beta_2 \text{Ln}X_{1it}) + (\beta_1 \alpha_2 \text{Ln}X_{2it} + \beta_3 \text{Ln}X_{2it}) + (\beta_1 \alpha_3 \text{Ln}X_{3it} + \beta_4 \text{Ln}X_{3it}) + (\beta_1 \alpha_4 \text{Ln}X_{4it} + \beta_5 \text{Ln}X_{4it}) + (\beta_1 \alpha_5 X_{5it} + \beta_6 X_{5it}) + (\beta_1 \alpha_6 X_1 X_{5it} + \beta_7 X_1 X_{5it}) + (\beta_1 \alpha_7 X_2 X_{5it} + \beta_8 X_2 X_{5it}) + (\beta_1 \alpha_8 X_3 X_{5it} + \beta_9 X_3 X_{5it}) + (\beta_1 \alpha_9 X_4 X_{5it} + \beta_{10} X_4 X_{5it}) + (\beta_1 \mu_{it1} + \mu_{it2}) \quad (4.8.c)$$

$$\text{Ln}Y_{2it} = (\text{Ln}\beta_0 + \beta_1 \text{Ln}\alpha_0) + (\beta_1 \alpha_1 + \beta_2) \text{Ln}X_{1it} + (\beta_1 \alpha_2 + \beta_3) \text{Ln}X_{2it} + (\beta_1 \alpha_3 + \beta_4) \text{Ln}X_{3it} + (\beta_1 \alpha_4 + \beta_5) \text{Ln}X_{4it} + (\beta_1 \alpha_5 + \beta_6) X_{5it} + (\beta_1 \alpha_6 + \beta_7) X_1 X_{5it} + (\beta_1 \alpha_7 + \beta_8) X_2 X_{5it} + (\beta_1 \alpha_8 + \beta_9) X_3 X_{5it} + (\beta_1 \alpha_9 + \beta_{10}) X_4 X_{5it} + (\beta_1 \mu_{it1} + \mu_{it2}) \quad (4.8.d)$$

$$\begin{aligned} \text{Ln}Y_{2it} = & \text{Ln}\delta_0 + \delta_1\text{Ln}X_{1it} + \delta_2\text{Ln}X_{2it} + \delta_3\text{Ln}X_{3it} + \delta_4\text{Ln}X_{4it} + \delta_5X_{5it} + \delta_6X_1X_{5it} + X_2X_5\delta_{7it} \\ & + \delta_8X_3X_{5it} + \delta_9X_4X_{5it} + \mu_{it4} \end{aligned} \quad (4.8.e)$$

$$\begin{aligned} \text{Ln}Y_{3it} = & \text{Ln}\lambda_0 + \lambda_1\text{Ln}Y_{1it} + \lambda_2\text{Ln}Y_{2it} + \lambda_3\text{Ln}X_{1it} + \lambda_4\text{Ln}X_{2it} + \lambda_5\text{Ln}X_{3it} + \lambda_6\text{Ln}X_{4it} + \lambda_7X_{5it} \\ & + \lambda_8X_1X_{5it} + \lambda_9X_2X_{5it} + \lambda_{10}X_3X_{5it} + \lambda_{11}X_1X_{5it} + \mu_{it3} \end{aligned} \quad (4.9)$$

$$\begin{aligned} \text{Ln}Y_{3it} = & \text{Ln}\lambda_0 + \lambda_1(\text{Ln}\alpha_0 + \alpha_1\text{Ln}X_{1it} + \alpha_2\text{Ln}X_{2it} + \alpha_3\text{Ln}X_{3it} + \alpha_4\text{Ln}X_{4it} + \alpha_5X_{5it} + \alpha_6X_1X_{5it} \\ & + \alpha_7X_2X_{5it} + \alpha_8X_3X_{5it} + \alpha_9X_4X_{5it} + \mu_{it1}) + \lambda_2(\text{Ln}\beta_0 + \beta_1\text{Ln}\alpha_0 + \beta_1\alpha_1\text{Ln}X_{1it} \\ & + \beta_1\alpha_2\text{Ln}X_{2it} + \beta_1\alpha_3\text{Ln}X_{3it} + \beta_1\alpha_4\text{Ln}X_{4it} + \beta_1\alpha_5X_{5it} + \beta_1\alpha_6X_1X_{5it} + \beta_1\alpha_7X_2X_{5it} \\ & + \beta_1\alpha_8X_3X_{5it} + \beta_1\alpha_9X_4X_{5it} + \beta_1\mu_{it1} + \beta_2\text{Ln}X_{1it} + \beta_3\text{Ln}X_{2it} + \beta_4\text{Ln}X_{3it} + \beta_5\text{Ln}X_{4it} \\ & + \beta_6X_{5it} + \beta_7X_1X_{5it} + \beta_8X_2X_{5it} + \beta_9X_3X_{5it} + \beta_{10}X_4X_{5it} + \mu_{it2}) + \lambda_3\text{Ln}X_{1it} + \lambda_4\text{Ln}X_{2it} \\ & + \lambda_5\text{Ln}X_{3it} + \lambda_6\text{Ln}X_{4it} + \lambda_7X_{5it} + \lambda_8X_1X_{5it} + \lambda_9X_2X_{5it} + \lambda_{10}X_3X_{5it} + \lambda_{11}X_1X_{5it} + \mu_{it3} \end{aligned} \quad (4.9.a)$$

$$\begin{aligned} \text{Ln}Y_{3it} = & \text{Ln}\lambda_0 + \lambda_1\text{Ln}\alpha_0 + \lambda_1\alpha_1\text{Ln}X_{1it} + \lambda_1\alpha_2\text{Ln}X_{2it} + \lambda_1\alpha_3\text{Ln}X_{3it} + \lambda_1\alpha_4\text{Ln}X_{4it} + \lambda_1\alpha_5X_{5it} \\ & + \lambda_1\alpha_6X_1X_{5it} + \lambda_1\alpha_7X_2X_{5it} + \lambda_1\alpha_8X_3X_{5it} + \lambda_1\alpha_9X_4X_{5it} + \lambda_1\mu_{it1} + \lambda_2\text{Ln}\beta_0 + \lambda_2\beta_1\text{Ln}\alpha_0 \\ & + \lambda_2\beta_1\alpha_1\text{Ln}X_{1it} + \lambda_2\beta_1\alpha_2\text{Ln}X_{2it} + \lambda_2\beta_1\alpha_3\text{Ln}X_{3it} + \lambda_2\beta_1\alpha_4\text{Ln}X_{4it} + \lambda_2\beta_1\alpha_5X_{5it} \\ & + \lambda_2\beta_1\alpha_6X_1X_{5it} + \lambda_2\beta_1\alpha_7X_2X_{5it} + \lambda_2\beta_1\alpha_8X_3X_{5it} + \lambda_2\beta_1\alpha_9X_4X_{5it} + \lambda_2\beta_1\mu_{it1} + \lambda_2\beta_2\text{Ln}X_{1it} \\ & + \lambda_2\beta_3\text{Ln}X_{2it} + \lambda_2\beta_4\text{Ln}X_{3it} + \lambda_2\beta_5\text{Ln}X_{4it} + \lambda_2\beta_6X_{5it} + \lambda_2\beta_7X_1X_{5it} + \lambda_2\beta_8X_2X_{5it} \\ & + \lambda_2\beta_9X_3X_{5it} + \lambda_2\beta_{10}X_4X_{5it} + \lambda_2\mu_{it2} + \lambda_3\text{Ln}X_{1it} + \lambda_4\text{Ln}X_{2it} + \lambda_5\text{Ln}X_{3it} + \lambda_6\text{Ln}X_{4it} \\ & + \lambda_7X_{5it} + \lambda_8X_1X_{5it} + \lambda_9X_2X_{5it} + \lambda_{10}X_3X_{5it} + \lambda_{11}X_1X_{5it} + \mu_{it3} \end{aligned} \quad (4.9.b)$$

$$\begin{aligned} \text{Ln}Y_{3it} = & (\text{Ln}\lambda_0 + \lambda_1\text{Ln}\alpha_0 + \lambda_2\text{Ln}\beta_0 + \lambda_2\beta_1\text{Ln}\alpha_0) \\ & + (\lambda_1\alpha_1\text{Ln}X_{1it} + \lambda_2\beta_1\alpha_1\text{Ln}X_{1it} + \lambda_2\beta_2\text{Ln}X_{1it} + \lambda_3\text{Ln}X_{1it}) \\ & + (\lambda_1\alpha_2\text{Ln}X_{2it} + \lambda_2\beta_1\alpha_2\text{Ln}X_{2it} + \lambda_2\beta_3\text{Ln}X_{2it} + \lambda_4\text{Ln}X_{2it}) \\ & + (\lambda_1\alpha_3\text{Ln}X_{3it} + \lambda_2\beta_1\alpha_3\text{Ln}X_{3it} + \lambda_2\beta_4\text{Ln}X_{3it} + \lambda_5\text{Ln}X_{3it}) \\ & + (\lambda_1\alpha_4\text{Ln}X_{4it} + \lambda_2\beta_1\alpha_4\text{Ln}X_{4it} + \lambda_2\beta_5\text{Ln}X_{4it} + \lambda_6\text{Ln}X_{4it}) \\ & + (\lambda_1\alpha_5X_{5it} + \lambda_2\beta_1\alpha_5X_{5it} + \lambda_2\beta_6X_{5it} + \lambda_7X_{5it}) \\ & + (\lambda_1\alpha_6X_1X_{5it} + \lambda_2\beta_1\alpha_6X_1X_{5it} + \lambda_2\beta_7X_1X_{5it} + \lambda_8X_1X_{5it}) \\ & + (\lambda_1\alpha_7X_2X_{5it} + \lambda_2\beta_1\alpha_7X_2X_{5it} + \lambda_2\beta_8X_2X_{5it} + \lambda_9X_2X_{5it}) \\ & + (\lambda_1\alpha_8X_3X_{5it} + \lambda_2\beta_1\alpha_8X_3X_{5it} + \lambda_2\beta_9X_3X_{5it} + \lambda_{10}X_3X_{5it}) \\ & + (\lambda_1\alpha_9X_4X_{5it} + \lambda_2\beta_1\alpha_9X_4X_{5it} + \lambda_2\beta_{10}X_4X_{5it} + \lambda_{11}X_1X_{5it}) \\ & + (\lambda_1\mu_{it1} + \lambda_2\beta_1\mu_{it1} + \lambda_2\mu_{it2} + \mu_{it3}) \end{aligned} \quad (4.9.c)$$

$$\begin{aligned} \text{Ln}Y_{3it} = & (\text{Ln}\lambda_0 + \lambda_1\text{Ln}\alpha_0 + \lambda_2\text{Ln}\beta_0 + \lambda_2\beta_1\text{Ln}\alpha_0) \\ & + (\lambda_1\alpha_1 + \lambda_2\beta_1\alpha_1 + \lambda_2\beta_2 + \lambda_3)\text{Ln}X_{1it} \\ & + (\lambda_1\alpha_2 + \lambda_2\beta_1\alpha_2 + \lambda_2\beta_3 + \lambda_4)\text{Ln}X_{2it} \\ & + (\lambda_1\alpha_3 + \lambda_2\beta_1\alpha_3 + \lambda_2\beta_4 + \lambda_5)\text{Ln}X_{3it} \\ & + (\lambda_1\alpha_4 + \lambda_2\beta_1\alpha_4 + \lambda_2\beta_5 + \lambda_6)\text{Ln}X_{4it} \\ & + (\lambda_1\alpha_5 + \lambda_2\beta_1\alpha_5 + \lambda_2\beta_6 + \lambda_7)X_{5it} \\ & + (\lambda_1\alpha_6 + \lambda_2\beta_1\alpha_6 + \lambda_2\beta_7 + \lambda_8)X_1X_{5it} \\ & + (\lambda_1\alpha_7 + \lambda_2\beta_1\alpha_7 + \lambda_2\beta_8 + \lambda_9)X_2X_{5it} \end{aligned}$$

$$\begin{aligned}
& + (\lambda_1\alpha_8 + \lambda_2\beta_1\alpha_8 + \lambda_2\beta_9 + \lambda_{10})\mathbf{X}_3\mathbf{X}_{5it} \\
& + (\lambda_1\alpha_9 + \lambda_2\beta_1\alpha_9 + \lambda_2\beta_{10} + \lambda_{11})\mathbf{X}_1\mathbf{X}_{5it} \\
& + (\lambda_1\mu_{it1} + \lambda_2\beta_1\mu_{it1} + \lambda_2\mu_{it2} + \mu_{it3})
\end{aligned} \tag{4.9.d}$$

$$\begin{aligned}
\mathbf{Y}_{3it} = & \Omega_0 + \Omega_1\text{Ln}\mathbf{X}_{1it} + \Omega_2\text{Ln}\mathbf{X}_{2it} + \Omega_3\text{Ln}\mathbf{X}_{3it} + \Omega_4\text{Ln}\mathbf{X}_{4it} + \Omega_5\mathbf{X}_{4it} + \Omega_6\mathbf{X}_1\mathbf{X}_{5it} \\
& + \Omega_7\mathbf{X}_2\mathbf{X}_{5it} + \Omega_8\mathbf{X}_3\mathbf{X}_{5it} + \Omega_9\mathbf{X}_4\mathbf{X}_{5it} + \mu_5
\end{aligned} \tag{4.9.e}$$

**Lampiran 2 Perkembangan AHH, HLS, RTS, Pengeluaran Perkapita, IPM, IKLH
Provinsi dan Indonesia Tahun 2010 - 2020**

Provinsi	Tahun	AHH	HLS	RTS	Pengeluaran	IPM	IKLH
Aceh	2010	69.08	12.90	8.28	7 934	67.09	77.30
	2011	69.15	13.03	8.32	8 044	67.45	66.74
	2012	69.23	13.19	8.36	8 134	67.81	73.06
	2013	69.31	13.36	8.44	8 289	68.30	71.72
	2014	69.35	13.53	8.71	8 297	68.81	72.60
	2015	69.50	13.73	8.77	8 533	69.45	74.83
	2016	69.51	13.89	8.86	8 768	70.00	73.55
	2017	69.52	14.13	8.98	8 957	70.60	77.70
	2018	69.64	14.27	9.09	9 186	71.19	79.36
	2019	69.87	14.30	9.18	9 603	71.90	76.12
2020	69.93	14.31	9.33	9 492	71.99	75.61	
Sumatera Utara	2010	67.46	11.82	8.51	9 196	67.09	87.17
	2011	67.63	11.83	8.61	9 231	67.34	72.21
	2012	67.81	11.97	8.72	9 266	67.74	62.71
	2013	67.94	12.41	8.79	9 309	68.36	62.90
	2014	68.04	12.61	8.93	9 391	68.87	61.53
	2015	68.29	12.82	9.03	9 563	69.51	69.37
	2016	68.33	13.00	9.12	9 744	70.00	66.47
	2017	68.37	13.10	9.25	10 036	70.57	69.77
	2018	68.61	13.14	9.34	10 391	71.18	67.17
	2019	68.95	13.15	9.45	10 649	71.74	68.20
2020	69.10	13.23	9.54	10 420	71.77	69.90	
Sumatera Barat	2010	67.59	12.22	8.13	9 339	67.25	81.46
	2011	67.79	12.52	8.20	9 409	67.81	77.00
	2012	68.00	12.81	8.27	9 479	68.36	69.80
	2013	68.21	13.16	8.28	9 570	68.91	67.79
	2014	68.32	13.48	8.29	9 621	69.36	68.91
	2015	68.66	13.60	8.42	9 804	69.98	59.07
	2016	68.73	13.79	8.59	10 126	70.73	60.06
	2017	68.78	13.94	8.72	10 306	71.24	68.16
	2018	69.01	13.95	8.76	10 638	71.73	78.69
	2019	69.31	14.01	8.92	10 925	72.39	69.64
2020	69.47	14.02	8.99	10 733	72.38	72.79	
Riau	2010	70.15	11.76	8.25	9 857	68.65	54.86
	2011	70.32	11.78	8.29	9 957	68.90	56.23
	2012	70.49	11.79	8.34	10 058	69.15	52.12
	2013	70.67	12.27	8.38	10 180	69.91	50.72
	2014	70.76	12.45	8.47	10 262	70.33	52.59
	2015	70.93	12.74	8.49	10 364	70.84	53.07
	2016	70.97	12.86	8.59	10 465	71.20	56.73
	2017	70.99	13.03	8.76	10 677	71.79	68.64
	2018	71.19	13.11	8.92	10 968	72.44	68.43

Provinsi	Tahun	AHH	HLS	RTS	Pengeluaran	IPM	IKLH
	2019	71.48	13.14	9.03	11 255	73.00	62.47
	2020	71.60	13.20	9.14	10 675	72.71	69.41
Jambi	2010	69.89	11.34	7.34	8 478	65.39	62.82
	2011	70.04	11.60	7.48	8 664	66.14	64.92
	2012	70.19	11.73	7.69	8 944	66.94	61.36
	2013	70.35	12.17	7.80	9 066	67.76	59.77
	2014	70.43	12.38	7.92	9 141	68.24	62.04
	2015	70.56	12.57	7.96	9 446	68.89	61.85
	2016	70.71	12.72	8.07	9 795	69.62	64.01
	2017	70.76	12.87	8.15	9 880	69.99	64.98
	2018	70.89	12.90	8.23	10 357	70.65	71.00
	2019	71.06	12.93	8.45	10 592	71.26	68.06
	2020	71.16	12.98	8.55	10 392	71.29	70.89
Sumatera Selatan	2010	68.34	11.03	7.34	8 536	64.44	75.70
	2011	68.51	11.21	7.42	8 803	65.12	77.50
	2012	68.67	11.42	7.50	9 040	65.79	56.73
	2013	68.84	11.46	7.53	9 231	66.16	59.10
	2014	68.93	11.75	7.66	9 302	66.75	61.62
	2015	69.14	12.02	7.77	9 474	67.46	69.06
	2016	69.16	12.23	7.83	9 935	68.24	67.27
	2017	69.18	12.35	7.99	10 220	68.86	69.18
	2018	69.41	12.36	8.00	10 652	69.39	68.11
	2019	69.65	12.39	8.18	10 937	70.02	61.41
	2020	69.88	12.45	8.24	10 652	70.01	69.71
Bengkulu	2010	67.82	11.59	7.85	8 459	65.35	96.89
	2011	67.98	11.88	7.93	8 572	65.96	96.77
	2012	68.16	12.20	8.01	8 682	66.61	65.66
	2013	68.33	12.78	8.09	8 803	67.50	67.53
	2014	68.37	13.01	8.28	8 864	68.06	66.76
	2015	68.50	13.18	8.29	9 123	68.59	76.92
	2016	68.56	13.38	8.37	9 492	69.33	72.43
	2017	68.59	13.57	8.47	9 778	69.95	70.18
	2018	68.84	13.58	8.61	10 162	70.64	74.32
	2019	69.21	13.59	8.73	10 409	71.21	64.41
	2020	69.35	13.61	8.84	10 380	71.40	69.92
Lampung	2010	68.91	10.88	7.26	7 964	63.71	86.95
	2011	69.12	11.04	7.28	8 118	64.20	86.57
	2012	69.33	11.37	7.30	8 273	64.87	51.90
	2013	69.55	11.90	7.32	8 415	65.73	54.72
	2014	69.66	12.24	7.48	8 476	66.42	56.42
	2015	69.90	12.25	7.56	8 729	66.95	63.04
	2016	69.94	12.35	7.63	9 156	67.65	60.34
	2017	69.95	12.46	7.79	9 413	68.25	59.72
	2018	70.18	12.61	7.82	9 858	69.02	59.89
2019	70.51	12.63	7.92	10 114	69.57	57.37	

Provinsi	Tahun	AHH	HLS	RTS	Pengeluaran	IPM	IKLH
	2020	70.65	12.65	8.05	9 982	69.69	67.46
Kep. Bangka Belitung	2010	69.15	10.48	7.07	10 707	66.02	64.92
	2011	69.31	10.70	7.19	10 808	66.59	64.99
	2012	69.48	10.79	7.25	11 218	67.21	57.73
	2013	69.64	10.96	7.32	11 657	67.92	59.29
	2014	69.72	11.18	7.35	11 691	68.27	60.21
	2015	69.88	11.60	7.46	11 781	69.05	71.26
	2016	69.92	11.71	7.62	11 960	69.55	66.88
	2017	69.95	11.83	7.78	12 066	69.99	67.85
	2018	70.18	11.87	7.84	12 666	70.67	67.68
	2019	70.50	11.94	7.98	12 959	71.30	64.85
	2020	70.64	12.05	8.06	12 794	71.47	73.50
Kepulauan Riau	2010	68.42	11.51	9.38	12 267	71.13	54.86
	2011	68.63	11.61	9.46	12 513	71.61	56.23
	2012	68.85	11.90	9.58	12 740	72.36	66.59
	2013	69.05	12.26	9.63	12 942	73.02	67.26
	2014	69.15	12.51	9.64	13 019	73.40	69.27
	2015	69.41	12.60	9.65	13 177	73.75	73.11
	2016	69.45	12.66	9.67	13 359	73.99	70.19
	2017	69.48	12.81	9.79	13 566	74.45	70.34
	2018	69.64	12.82	9.81	13 976	74.84	66.50
	2019	69.80	12.83	9.99	14 466	75.48	67.00
	2020	69.96	12.87	10.12	14 209	75.59	70.51
DKI Jakarta	2010	71.71	11.86	10.37	15 111	76.31	41.81
	2011	71.87	11.91	10.40	15 943	76.98	41.31
	2012	72.03	11.96	10.43	16 613	77.53	38.43
	2013	72.19	12.24	10.47	16 828	78.08	35.66
	2014	72.27	12.38	10.54	16 898	78.39	36.88
	2015	72.43	12.59	10.70	17 075	78.99	43.79
	2016	72.49	12.73	10.88	17 468	79.60	38.69
	2017	72.55	12.86	11.02	17 707	80.06	35.78
	2018	72.67	12.95	11.05	18 128	80.47	45.21
	2019	72.79	12.97	11.06	18 527	80.76	42.84
	2020	72.91	12.98	11.13	18 227	80.77	52.98
Jawa Barat	2010	71.29	10.69	7.40	9 174	66.15	53.44
	2011	71.56	10.91	7.46	9 249	66.67	50.90
	2012	71.82	11.24	7.52	9 325	67.32	48.37
	2013	72.09	11.81	7.58	9 421	68.25	47.80
	2014	72.23	12.08	7.71	9 447	68.80	45.06
	2015	72.41	12.15	7.86	9 778	69.50	69.49
	2016	72.44	12.30	7.95	10 035	70.05	51.87
	2017	72.47	12.42	8.14	10 285	70.69	50.26
	2018	72.66	12.45	8.15	10 790	71.30	56.98
	2019	72.85	12.48	8.37	11 152	72.03	51.64
	2020	73.04	12.50	8.55	10 845	72.09	59.40

Provinsi	Tahun	AHH	HLS	RTS	Pengeluaran	IPM	IKLH
Jawa Tengah	2010	72.73	11.09	6.71	8 992	66.08	50.48
	2011	72.91	11.18	6.74	9 296	66.64	49.82
	2012	73.09	11.39	6.77	9 497	67.21	60.05
	2013	73.28	11.89	6.80	9 618	68.02	58.00
	2014	73.88	12.17	6.93	9 640	68.78	60.63
	2015	73.96	12.38	7.03	9 930	69.49	60.78
	2016	74.02	12.45	7.15	10 153	69.98	58.75
	2017	74.08	12.57	7.27	10 377	70.52	58.16
	2018	74.18	12.63	7.35	10 777	71.12	68.27
	2019	74.23	12.68	7.53	11 102	71.73	60.97
2020	74.37	12.70	7.69	10 930	71.87	67.62	
D I Yogyakarta	2010	74.17	14.15	8.51	12 080	75.37	71.91
	2011	74.26	14.61	8.53	12 115	75.93	68.89
	2012	74.36	14.64	8.63	12 137	76.15	53.03
	2013	74.45	14.67	8.72	12 261	76.44	51.81
	2014	74.50	14.85	8.84	12 294	76.81	49.53
	2015	74.68	15.03	9.00	12 684	77.59	50.99
	2016	74.71	15.23	9.12	13 229	78.38	51.37
	2017	74.74	15.42	9.19	13 521	78.89	49.80
	2018	74.82	15.56	9.32	13 946	79.53	62.98
	2019	74.92	15.58	9.38	14 394	79.99	49.24
2020	74.99	15.59	9.55	14 015	79.97	66.65	
Jawa Timur	2010	69.89	11.49	6.73	9 002	65.36	49.49
	2011	70.02	11.62	6.79	9 396	66.06	54.49
	2012	70.14	11.74	6.85	9 797	66.74	57.61
	2013	70.34	12.17	6.90	9 978	67.55	56.26
	2014	70.45	12.45	7.05	10 012	68.14	56.48
	2015	70.68	12.66	7.14	10 383	68.95	62.67
	2016	70.74	12.98	7.23	10 715	69.74	58.98
	2017	70.80	13.09	7.34	10 973	70.27	57.46
	2018	70.97	13.10	7.39	11 380	70.77	67.08
	2019	71.18	13.16	7.59	11 739	71.50	60.25
2020	71.30	13.19	7.78	11 601	71.71	67.07	
Banten	2010	68.50	11.02	7.92	10 777	67.54	48.98
	2011	68.68	11.41	7.95	10 933	68.22	48.98
	2012	68.86	11.79	8.06	11 008	68.92	46.85
	2013	69.04	12.05	8.17	11 061	69.47	46.33
	2014	69.13	12.31	8.19	11 150	69.89	43.67
	2015	69.43	12.35	8.27	11 261	70.27	55.36
	2016	69.46	12.70	8.37	11 469	70.96	60.00
	2017	69.49	12.78	8.53	11 659	71.42	51.58
	2018	69.64	12.85	8.62	11 994	71.95	57.00
	2019	69.84	12.88	8.74	12 267	72.44	51.09
2020	69.96	12.89	8.89	11 964	72.45	59.37	
Bali	2010	70.61	11.71	7.74	12 074	70.10	99.65

Provinsi	Tahun	AHH	HLS	RTS	Pengeluaran	IPM	IKLH
	2011	70.78	12.12	7.77	12 307	70.87	85.30
	2012	70.94	12.26	8.05	12 530	71.62	59.11
	2013	71.11	12.40	8.10	12 738	72.09	57.50
	2014	71.20	12.64	8.11	12 831	72.48	59.81
	2015	71.35	12.97	8.26	13 078	73.27	73.71
	2016	71.41	13.04	8.36	13 279	73.65	72.59
	2017	71.46	13.21	8.55	13 573	74.30	70.11
	2018	71.68	13.23	8.65	13 886	74.77	66.62
	2019	71.99	13.27	8.84	14 146	75.38	63.09
2020	72.13	13.33	8.95	13 929	75.50	71.99	
Nusa Tenggara Barat	2010	63.82	11.66	5.73	8 707	61.16	90.15
	2011	64.13	11.97	6.07	8 759	62.14	84.30
	2012	64.43	12.21	6.33	8 853	62.98	65.57
	2013	64.74	12.46	6.54	8 950	63.76	67.77
	2014	64.90	12.73	6.67	8 987	64.31	69.39
	2015	65.38	13.04	6.71	9 241	65.19	58.82
	2016	65.48	13.16	6.79	9 575	65.81	56.53
	2017	65.55	13.46	6.90	9 877	66.58	56.99
	2018	65.87	13.47	7.03	10 284	67.30	75.16
2019	66.28	13.48	7.27	10 640	68.14	64.56	
2020	66.51	13.70	7.31	10 351	68.25	70.83	
Nusa Tenggara Timur	2010	65.28	10.85	6.50	6 615	59.21	50.72
	2011	65.45	11.55	6.60	6 678	60.24	59.01
	2012	65.64	11.73	6.71	6 785	60.81	66.90
	2013	65.82	12.27	6.76	6 899	61.68	64.19
	2014	65.91	12.65	6.85	6 934	62.26	62.98
	2015	65.96	12.84	6.93	7 003	62.67	63.79
	2016	66.04	12.97	7.02	7 122	63.13	59.23
	2017	66.07	13.07	7.15	7 350	63.73	61.92
	2018	66.38	13.10	7.30	7 566	64.39	69.01
2019	66.85	13.15	7.55	7 769	65.23	69.67	
2020	67.01	13.18	7.63	7 598	65.19	73.28	
Kalimantan Barat	2010	69.06	10.79	6.27	7 654	61.97	76.39
	2011	69.26	10.80	6.32	7 825	62.35	74.27
	2012	69.46	11.11	6.62	8 002	63.41	69.91
	2013	69.66	11.60	6.69	8 127	64.30	68.12
	2014	69.76	11.89	6.83	8 175	64.89	68.31
	2015	69.87	12.25	6.93	8 279	65.59	75.88
	2016	69.90	12.37	6.98	8 348	65.88	72.24
	2017	69.92	12.50	7.05	8 472	66.26	74.17
	2018	70.18	12.55	7.12	8 860	66.98	73.09
2019	70.56	12.58	7.31	9 055	67.65	65.92	
2020	70.69	12.60	7.37	8 930	67.66	70.07	
Kalimantan Tengah	2010	68.98	11.09	7.62	9 257	65.96	50.38
	2011	69.09	11.15	7.68	9 472	66.38	63.98

Provinsi	Tahun	AHH	HLS	RTS	Pengeluaran	IPM	IKLH
	2012	69.18	11.22	7.73	9 557	66.66	70.84
	2013	69.29	11.71	7.79	9 641	67.41	69.53
	2014	69.39	11.93	7.82	9 682	67.77	70.37
	2015	69.54	12.22	8.03	9 809	68.53	74.09
	2016	69.57	12.33	8.13	10 155	69.13	74.71
	2017	69.59	12.45	8.29	10 492	69.79	71.47
	2018	69.64	12.55	8.37	10 931	70.42	75.71
	2019	69.69	12.57	8.51	11 236	70.91	74.20
2020	69.74	12.66	8.59	11 154	71.05	72.74	
Kalimantan Selatan	2010	66.65	10.86	7.25	10 304	65.20	58.24
	2011	66.88	11.14	7.37	10 437	65.89	60.29
	2012	67.11	11.54	7.48	10 553	66.68	57.10
	2013	67.35	11.67	7.59	10 655	67.17	56.20
	2014	67.47	11.96	7.60	10 748	67.63	57.51
	2015	67.80	12.21	7.76	10 891	68.38	57.47
	2016	67.92	12.29	7.89	11 307	69.05	59.07
	2017	68.02	12.46	7.99	11 600	69.65	69.38
	2018	68.23	12.50	8.00	12 062	70.17	68.78
	2019	68.49	12.52	8.20	12 253	70.72	61.94
2020	68.66	12.68	8.29	12 032	70.91	68.43	
Kalimantan Timur	2010	72.89	11.87	8.56	10 790	71.31	62.22
	2011	73.10	12.06	8.79	10 927	72.02	70.75
	2012	73.32	12.46	8.83	10 944	72.62	73.12
	2013	73.52	12.85	8.87	10 981	73.21	72.41
	2014	73.62	13.17	9.04	11 019	73.82	74.00
	2015	73.65	13.18	9.15	11 229	74.17	81.15
	2016	73.68	13.35	9.24	11 355	74.59	76.85
	2017	73.70	13.49	9.36	11 612	75.12	75.65
	2018	73.96	13.67	9.48	11 917	75.83	85.90
	2019	74.22	13.69	9.70	12 359	76.61	80.87
2020	74.33	13.72	9.77	11 728	76.24	76.46	
Sulawesi Utara	2010	70.40	11.34	8.66	8 935	67.83	84.18
	2011	70.55	11.50	8.68	9 113	68.31	84.59
	2012	70.70	11.77	8.71	9 430	69.04	65.75
	2013	70.86	11.88	8.79	9 583	69.49	63.57
	2014	70.94	12.16	8.86	9 628	69.96	65.59
	2015	70.99	12.43	8.88	9 729	70.39	66.27
	2016	71.02	12.55	8.96	10 148	71.05	67.07
	2017	71.04	12.66	9.14	10 422	71.66	70.81
	2018	71.26	12.68	9.24	10 731	72.20	74.95
	2019	71.58	12.73	9.43	11 115	72.99	65.15
2020	71.69	12.85	9.49	10 791	72.93	70.51	
Sulawesi Tengah	2010	66.07	11.17	7.65	7 988	63.29	97.58
	2011	66.39	11.82	7.69	8 077	64.27	98.53
	2012	66.70	12.09	7.73	8 286	65.00	79.98

Provinsi	Tahun	AHH	HLS	RTS	Pengeluaran	IPM	IKLH
	2013	67.02	12.36	7.82	8 501	65.79	78.46
	2014	67.18	12.71	7.89	8 602	66.43	76.40
	2015	67.26	12.72	7.97	8 768	66.76	67.01
	2016	67.31	12.92	8.12	9 034	67.47	68.78
	2017	67.32	13.04	8.29	9 311	68.11	73.24
	2018	67.78	13.13	8.52	9 488	68.88	74.83
	2019	68.23	13.14	8.75	9 604	69.50	67.61
Sulawesi Selatan	2020	68.69	13.17	8.83	9 335	69.55	70.69
	2010	68.93	11.47	7.29	9 331	66.00	62.89
	2011	69.12	11.82	7.33	9 459	66.65	62.64
	2012	69.31	12.16	7.37	9 560	67.26	64.76
	2013	69.50	12.52	7.45	9 632	67.92	63.58
	2014	69.60	12.90	7.49	9 723	68.49	64.06
	2015	69.80	12.99	7.64	9 992	69.15	76.43
	2016	69.82	13.16	7.75	10 281	69.76	70.54
	2017	69.84	13.28	7.95	10 489	70.34	69.39
	2018	70.08	13.34	8.02	10 814	70.90	83.34
	2019	70.43	13.36	8.26	11 118	71.66	80.23
2020	70.57	13.45	8.38	11 079	71.93	77.53	
Sulawesi Tenggara	2010	69.65	12.15	7.57	8 126	65.99	62.23
	2011	69.85	12.30	7.67	8 249	66.52	52.79
	2012	70.06	12.45	7.76	8 396	67.07	70.32
	2013	70.28	12.45	7.93	8 537	67.55	68.71
	2014	70.39	12.78	8.02	8 555	68.07	72.14
	2015	70.44	13.07	8.18	8 697	68.75	75.18
	2016	70.46	13.24	8.32	8 871	69.31	75.24
	2017	70.47	13.36	8.46	9 094	69.86	70.86
	2018	70.72	13.53	8.69	9 262	70.61	83.17
	2019	70.97	13.55	8.91	9 436	71.20	72.03
	2020	71.22	13.65	9.04	9 331	71.45	72.82
Gorontalo	2010	66.41	11.12	6.85	8 207	62.65	97.93
	2011	66.59	11.68	6.89	8 293	63.48	98.89
	2012	66.76	11.78	6.92	8 673	64.16	74.69
	2013	66.92	12.13	6.96	8 719	64.70	74.19
	2014	67.00	12.49	6.97	8 762	65.17	75.52
	2015	67.12	12.70	7.05	9 035	65.86	71.08
	2016	67.13	12.88	7.12	9 175	66.29	69.30
	2017	67.14	13.01	7.28	9 532	67.01	67.46
	2018	67.45	13.03	7.46	9 839	67.71	84.09
	2019	67.93	13.06	7.69	10 075	68.49	74.97
	2020	68.07	13.08	7.82	10 020	68.68	75.31
Sulawesi Barat	2010	62.50	10.58	6.63	8 003	59.74	62.89
	2011	62.78	11.21	6.65	8 049	60.63	67.85
	2012	63.04	11.28	6.76	8 091	61.01	71.45
	2013	63.32	11.46	6.87	8 148	61.53	70.14

Provinsi	Tahun	AHH	HLS	RTS	Pengeluaran	IPM	IKLH
	2014	64.04	11.78	6.88	8 170	62.24	72.29
	2015	64.22	12.22	6.94	8 260	62.96	68.78
	2016	64.31	12.34	7.14	8 450	63.60	64.54
	2017	64.34	12.48	7.31	8 736	64.30	74.47
	2018	64.58	12.59	7.50	9 051	65.10	79.89
	2019	64.82	12.62	7.73	9 235	65.73	72.03
	2020	65.06	12.77	7.89	9 168	66.11	73.60
Maluku	2010	64.46	12.62	8.64	7 362	64.27	79.72
	2011	64.61	12.85	8.72	7 437	64.75	73.09
	2012	64.77	12.96	8.80	7 727	65.43	74.34
	2013	64.93	13.35	8.81	7 872	66.09	73.78
	2014	65.01	13.53	9.15	7 925	66.74	74.79
	2015	65.31	13.56	9.16	8 026	67.05	76.33
	2016	65.35	13.73	9.27	8 215	67.60	71.66
	2017	65.40	13.91	9.38	8 433	68.19	75.12
	2018	65.59	13.92	9.58	8 721	68.87	81.23
	2019	65.82	13.94	9.81	8 887	69.45	79.55
	2020	65.98	13.96	9.93	8 732	69.49	75.98
Maluku Utara	2010	66.70	11.74	7.91	6 813	62.79	79.72
	2011	66.87	11.79	7.98	6 935	63.19	73.09
	2012	67.05	12.19	8.04	7 059	63.93	79.31
	2013	67.24	12.48	8.27	7 200	64.78	77.47
	2014	67.34	12.72	8.34	7 234	65.18	77.22
	2015	67.44	13.10	8.37	7 423	65.91	75.97
	2016	67.51	13.45	8.52	7 545	66.63	72.46
	2017	67.54	13.56	8.61	7 792	67.20	74.55
	2018	67.80	13.62	8.72	7 980	67.76	88.25
	2019	68.18	13.63	9.00	8 308	68.70	78.44
	2020	68.33	13.67	9.04	8 032	68.49	74.71
Papua Barat	2010	64.59	11.10	6.77	6 677	59.60	59.56
	2011	64.75	11.21	6.82	6 709	59.90	68.51
	2012	64.88	11.45	6.87	6 732	60.30	83.50
	2013	65.05	11.67	6.91	6 896	60.91	83.45
	2014	65.14	11.87	6.96	6 944	61.28	84.51
	2015	65.19	12.06	7.01	7 064	61.73	82.33
	2016	65.30	12.26	7.06	7 175	62.21	83.01
	2017	65.32	12.47	7.15	7 493	62.99	85.69
	2018	65.55	12.53	7.27	7 816	63.74	91.50
	2019	65.90	12.72	7.44	8 125	64.70	83.96
	2020	66.02	12.91	7.60	8 086	65.09	78.65
Papua	2010	64.31	8.57	5.59	6 251	54.45	59.56
	2011	64.46	8.92	5.60	6 303	55.01	68.51
	2012	64.60	9.11	5.73	6 349	55.55	82.55
	2013	64.76	9.58	5.74	6 394	56.25	82.98
	2014	64.84	9.94	5.76	6 416	56.75	80.65

Provinsi	Tahun	AHH	HLS	RTS	Pengeluaran	IPM	IKLH
	2015	65.09	9.95	5.99	6 469	57.25	81.01
	2016	65.12	10.23	6.15	6 637	58.05	81.35
	2017	65.14	10.54	6.27	6 996	59.09	81.47
	2018	65.36	10.83	6.52	7 159	60.06	83.88
	2019	65.65	11.05	6.65	7 336	60.84	81.79
	2020	65.79	11.09	6.69	6 954	60.44	79.75
Nasional	2010	69.81	11.29	7.46	9 437	66.53	53.25
	2011	70.01	11.44	7.52	9 647	67.09	65.76
	2012	70.20	11.68	7.59	9 815	67.70	64.21
	2013	70.40	12.10	7.61	9 858	68.31	63.13
	2014	70.59	12.39	7.73	9 903	68.90	63.42
	2015	70.78	12.55	7.84	10 150	69.55	68.23
	2016	70.90	12.72	7.95	10 420	70.18	65.73
	2017	71.06	12.85	8.10	10 664	70.81	66.46
	2018	71.20	12.91	8.17	11 059	71.39	71.67
	2019	71.34	12.95	8.34	11 299	71.92	66.55
2020	71.47	12.98	8.48	11 013	71.94	70.27	

Sumber: BPS, Kementerian Lingkungan Hidup dan Kehutanan RI, Tahun 2021

Lampiran 3 Hasil Perhitungan AHDI

Provinsi	Tahun	IAHH	IHLS	IRTS	Rata-rata	Ipeng	Ilingk	AHDI	% AHDI
Aceh	2010	0.7551	0.7166	0.5518	0.6342	0.6306	0.7730	0.6951	69.51
	2011	0.7562	0.7239	0.5544	0.6392	0.6348	0.6674	0.6727	67.27
	2012	0.7574	0.7328	0.5570	0.6449	0.6382	0.7306	0.6908	69.08
	2013	0.7586	0.7421	0.5624	0.6523	0.6440	0.7172	0.6914	69.14
	2014	0.7592	0.7514	0.5806	0.6660	0.6443	0.7260	0.6974	69.74
	2015	0.7615	0.7627	0.5847	0.6737	0.6529	0.7483	0.7076	70.76
	2016	0.7617	0.7717	0.5907	0.6812	0.6612	0.7355	0.7087	70.87
	2017	0.7618	0.7850	0.5987	0.6918	0.6677	0.7770	0.7231	72.31
	2018	0.7637	0.7928	0.6060	0.6994	0.6754	0.7936	0.7315	73.15
	2019	0.7672	0.7944	0.6120	0.7032	0.6890	0.7612	0.7293	72.93
	2020	0.7682	0.7950	0.6220	0.7085	0.6854	0.7561	0.7288	72.88
Sumatera Utara	2010	0.7302	0.6567	0.5672	0.6120	0.6757	0.8717	0.7163	71.63
	2011	0.7328	0.6571	0.5742	0.6157	0.6769	0.7221	0.6853	68.53
	2012	0.7355	0.6651	0.5812	0.6232	0.6781	0.6271	0.6644	66.44
	2013	0.7375	0.6892	0.5859	0.6375	0.6795	0.6290	0.6695	66.95
	2014	0.7391	0.7004	0.5952	0.6478	0.6822	0.6153	0.6695	66.95
	2015	0.7429	0.7124	0.6022	0.6573	0.6877	0.6937	0.6947	69.47
	2016	0.7435	0.7222	0.6080	0.6651	0.6934	0.6647	0.6910	69.10
	2017	0.7442	0.7278	0.6167	0.6722	0.7025	0.6977	0.7037	70.37
	2018	0.7478	0.7300	0.6227	0.6763	0.7131	0.6717	0.7016	70.16
	2019	0.7531	0.7306	0.6300	0.6803	0.7206	0.6820	0.7083	70.83
	2020	0.7554	0.7350	0.6360	0.6855	0.7139	0.6990	0.7130	71.30
Sumatera Barat	2010	0.7322	0.6792	0.5421	0.6106	0.6805	0.8146	0.7056	70.56
	2011	0.7352	0.6955	0.5468	0.6211	0.6827	0.7700	0.7000	70.00
	2012	0.7385	0.7116	0.5515	0.6315	0.6850	0.6980	0.6872	68.72
	2013	0.7417	0.7309	0.5520	0.6414	0.6879	0.6779	0.6863	68.63
	2014	0.7434	0.7490	0.5526	0.6508	0.6895	0.6891	0.6924	69.24
	2015	0.7486	0.7558	0.5611	0.6584	0.6953	0.5907	0.6708	67.08
	2016	0.7497	0.7661	0.5727	0.6694	0.7052	0.6006	0.6790	67.90
	2017	0.7505	0.7744	0.5813	0.6779	0.7106	0.6816	0.7045	70.45
	2018	0.7540	0.7750	0.5840	0.6795	0.7203	0.7869	0.7341	73.41
	2019	0.7586	0.7783	0.5947	0.6865	0.7284	0.6964	0.7169	71.69
	2020	0.7611	0.7789	0.5993	0.6891	0.7230	0.7279	0.7248	72.48
Riau	2010	0.7715	0.6534	0.5501	0.6018	0.6970	0.5486	0.6491	64.91
	2011	0.7742	0.6542	0.5529	0.6035	0.7000	0.5623	0.6549	65.49
	2012	0.7768	0.6549	0.5558	0.6053	0.7031	0.5212	0.6443	64.43
	2013	0.7795	0.6818	0.5586	0.6202	0.7068	0.5072	0.6452	64.52
	2014	0.7809	0.6915	0.5648	0.6282	0.7093	0.5259	0.6540	65.40
	2015	0.7835	0.7079	0.5663	0.6371	0.7123	0.5307	0.6591	65.91
	2016	0.7842	0.7144	0.5727	0.6436	0.7152	0.5673	0.6727	67.27
	2017	0.7845	0.7239	0.5840	0.6539	0.7214	0.6864	0.7099	70.99
	2018	0.7875	0.7283	0.5947	0.6615	0.7296	0.6843	0.7141	71.41
	2019	0.7920	0.7300	0.6020	0.6660	0.7375	0.6247	0.7021	70.21

Provinsi	Tahun	IAHH	IHLS	IRTS	Rata-rata	Ipeng	Ilingk	AHDI	% AHDI
	2020	0.7938	0.7333	0.6093	0.6713	0.7213	0.6941	0.7187	71.87
Jambi	2010	0.7675	0.6301	0.4891	0.5596	0.6509	0.6282	0.6474	64.74
	2011	0.7698	0.6446	0.4987	0.5717	0.6575	0.6492	0.6584	65.84
	2012	0.7722	0.6514	0.5128	0.5821	0.6672	0.6136	0.6550	65.50
	2013	0.7746	0.6763	0.5198	0.5981	0.6714	0.5977	0.6566	65.66
	2014	0.7758	0.6877	0.5278	0.6077	0.6739	0.6204	0.6663	66.63
	2015	0.7778	0.6984	0.5306	0.6145	0.6840	0.6185	0.6706	67.06
	2016	0.7802	0.7067	0.5380	0.6223	0.6950	0.6401	0.6817	68.17
	2017	0.7809	0.7150	0.5433	0.6292	0.6977	0.6498	0.6870	68.70
	2018	0.7829	0.7167	0.5487	0.6327	0.7121	0.7100	0.7074	70.74
	2019	0.7855	0.7183	0.5633	0.6408	0.7189	0.6806	0.7045	70.45
	2020	0.7871	0.7211	0.5700	0.6456	0.7131	0.7089	0.7119	71.19
Sumatera Selatan	2010	0.7437	0.6127	0.4891	0.5509	0.6530	0.7570	0.6708	67.08
	2011	0.7463	0.6230	0.4944	0.5587	0.6624	0.7750	0.6802	68.02
	2012	0.7488	0.6346	0.4997	0.5671	0.6705	0.5673	0.6340	63.40
	2013	0.7514	0.6366	0.5022	0.5694	0.6769	0.5910	0.6432	64.32
	2014	0.7527	0.6526	0.5106	0.5816	0.6793	0.6162	0.6543	65.43
	2015	0.7560	0.6680	0.5182	0.5931	0.6849	0.6906	0.6786	67.86
	2016	0.7563	0.6794	0.5220	0.6007	0.6994	0.6727	0.6799	67.99
	2017	0.7566	0.6861	0.5327	0.6094	0.7080	0.6918	0.6894	68.94
	2018	0.7602	0.6867	0.5333	0.6100	0.7207	0.6811	0.6907	69.07
	2019	0.7638	0.6883	0.5453	0.6168	0.7287	0.6141	0.6776	67.76
	2020	0.7674	0.6917	0.5493	0.6205	0.7207	0.6971	0.6994	69.94
Bengkulu	2010	0.7357	0.6439	0.5231	0.5835	0.6502	0.9689	0.7211	72.11
	2011	0.7382	0.6598	0.5287	0.5942	0.6543	0.9677	0.7259	72.59
	2012	0.7409	0.6779	0.5343	0.6061	0.6582	0.6566	0.6637	66.37
	2013	0.7435	0.7100	0.5390	0.6245	0.6624	0.6753	0.6751	67.51
	2014	0.7441	0.7228	0.5521	0.6375	0.6645	0.6676	0.6773	67.73
	2015	0.7462	0.7321	0.5524	0.6422	0.6733	0.7692	0.7058	70.58
	2016	0.7471	0.7433	0.5580	0.6507	0.6854	0.7243	0.7009	70.09
	2017	0.7475	0.7539	0.5647	0.6593	0.6945	0.7018	0.7001	70.01
	2018	0.7514	0.7544	0.5740	0.6642	0.7063	0.7432	0.7154	71.54
	2019	0.7571	0.7550	0.5820	0.6685	0.7136	0.6441	0.6945	69.45
	2020	0.7592	0.7561	0.5893	0.6727	0.7128	0.6992	0.7103	71.03
Lampung	2010	0.7525	0.6044	0.4838	0.5441	0.6318	0.8695	0.6886	68.86
	2011	0.7557	0.6132	0.4851	0.5492	0.6377	0.8657	0.6918	69.18
	2012	0.7589	0.6316	0.4864	0.5590	0.6434	0.5190	0.6135	61.35
	2013	0.7623	0.6609	0.4878	0.5743	0.6486	0.5472	0.6279	62.79
	2014	0.7640	0.6800	0.4985	0.5893	0.6508	0.5642	0.6377	63.77
	2015	0.7677	0.6804	0.5042	0.5923	0.6598	0.6304	0.6595	65.95
	2016	0.7683	0.6861	0.5087	0.5974	0.6744	0.6034	0.6574	65.74
	2017	0.7685	0.6922	0.5193	0.6058	0.6829	0.5972	0.6601	66.01
	2018	0.7720	0.7006	0.5213	0.6109	0.6970	0.5989	0.6661	66.61
	2019	0.7771	0.7017	0.5280	0.6148	0.7048	0.5737	0.6630	66.30
	2020	0.7792	0.7028	0.5367	0.6197	0.7008	0.6746	0.6912	69.12

Provinsi	Tahun	IAHH	IHLS	IRTS	Rata-rata	Ipeng	Ilingk	AHDI	% AHDI
Kep. Bangka Belitung	2010	0.7562	0.5822	0.4715	0.5269	0.7222	0.6492	0.6574	65.74
	2011	0.7586	0.5942	0.4792	0.5367	0.7251	0.6499	0.6618	66.18
	2012	0.7612	0.5996	0.4836	0.5416	0.7365	0.5773	0.6470	64.70
	2013	0.7637	0.6086	0.4880	0.5483	0.7482	0.5929	0.6565	65.65
	2014	0.7649	0.6211	0.4897	0.5554	0.7491	0.6021	0.6616	66.16
	2015	0.7673	0.6445	0.4972	0.5709	0.7514	0.7126	0.6959	69.59
	2016	0.7680	0.6506	0.5080	0.5793	0.7561	0.6688	0.6887	68.87
	2017	0.7685	0.6572	0.5187	0.5879	0.7588	0.6785	0.6945	69.45
	2018	0.7720	0.6594	0.5227	0.5911	0.7736	0.6768	0.6991	69.91
	2019	0.7769	0.6633	0.5320	0.5977	0.7806	0.6485	0.6963	69.63
2020	0.7791	0.6694	0.5373	0.6034	0.7767	0.7350	0.7197	71.97	
Kepulauan Riau	2010	0.7449	0.6397	0.6255	0.6326	0.7638	0.5486	0.6666	66.66
	2011	0.7482	0.6448	0.6304	0.6376	0.7699	0.5623	0.6741	67.41
	2012	0.7515	0.6614	0.6390	0.6502	0.7754	0.6659	0.7087	70.87
	2013	0.7546	0.6809	0.6419	0.6614	0.7802	0.6726	0.7154	71.54
	2014	0.7562	0.6953	0.6425	0.6689	0.7820	0.6927	0.7235	72.35
	2015	0.7601	0.6997	0.6436	0.6717	0.7857	0.7311	0.7359	73.59
	2016	0.7608	0.7033	0.6447	0.6740	0.7899	0.7019	0.7302	73.02
	2017	0.7612	0.7117	0.6527	0.6822	0.7946	0.7034	0.7340	73.40
	2018	0.7637	0.7122	0.6540	0.6831	0.8037	0.6650	0.7267	72.67
	2019	0.7662	0.7128	0.6660	0.6894	0.8142	0.6700	0.7326	73.26
2020	0.7686	0.7150	0.6747	0.6948	0.8087	0.7051	0.7429	74.29	
DKI Jakarta	2010	0.7955	0.6587	0.6916	0.6751	0.8275	0.4181	0.6566	65.66
	2011	0.7980	0.6614	0.6933	0.6774	0.8439	0.4131	0.6589	65.89
	2012	0.8005	0.6642	0.6956	0.6799	0.8565	0.3843	0.6506	65.06
	2013	0.8029	0.6803	0.6979	0.6891	0.8604	0.3566	0.6419	64.19
	2014	0.8042	0.6876	0.7029	0.6952	0.8617	0.3688	0.6492	64.92
	2015	0.8066	0.6996	0.7136	0.7066	0.8649	0.4379	0.6816	68.16
	2016	0.8075	0.7072	0.7253	0.7163	0.8718	0.3869	0.6646	66.46
	2017	0.8085	0.7144	0.7347	0.7246	0.8760	0.3578	0.6546	65.46
	2018	0.8103	0.7194	0.7367	0.7281	0.8831	0.4521	0.6967	69.67
	2019	0.8122	0.7206	0.7373	0.7289	0.8898	0.4284	0.6892	68.92
2020	0.8140	0.7211	0.7420	0.7316	0.8848	0.5298	0.7269	72.69	
Jawa Barat	2010	0.7891	0.5937	0.4930	0.5434	0.6750	0.5344	0.6271	62.71
	2011	0.7932	0.6058	0.4971	0.5515	0.6775	0.5090	0.6232	62.32
	2012	0.7972	0.6242	0.5013	0.5627	0.6800	0.4837	0.6198	61.98
	2013	0.8014	0.6562	0.5054	0.5808	0.6831	0.4780	0.6244	62.44
	2014	0.8035	0.6712	0.5140	0.5926	0.6840	0.4506	0.6189	61.89
	2015	0.8063	0.6748	0.5242	0.5995	0.6945	0.6949	0.6950	69.50
	2016	0.8068	0.6833	0.5300	0.6067	0.7024	0.5187	0.6498	64.98
	2017	0.8072	0.6900	0.5427	0.6163	0.7099	0.5026	0.6491	64.91
	2018	0.8102	0.6917	0.5433	0.6175	0.7246	0.5698	0.6741	67.41
	2019	0.8131	0.6933	0.5580	0.6257	0.7347	0.5164	0.6628	66.28
2020	0.8160	0.6944	0.5700	0.6322	0.7261	0.5940	0.6868	68.68	
	2010	0.8112	0.6163	0.4474	0.5318	0.6689	0.5048	0.6178	61.78

Provinsi	Tahun	IAHH	IHLS	IRTS	Rata-rata	Ipeng	Ilingk	AHDI	% AHDI
Jawa Tengah	2011	0.8140	0.6212	0.4493	0.5353	0.6791	0.4982	0.6196	61.96
	2012	0.8168	0.6328	0.4513	0.5421	0.6856	0.6005	0.6534	65.34
	2013	0.8197	0.6605	0.4531	0.5568	0.6895	0.5800	0.6536	65.36
	2014	0.8288	0.6759	0.4617	0.5688	0.6901	0.6063	0.6664	66.64
	2015	0.8301	0.6879	0.4686	0.5782	0.6992	0.6078	0.6721	67.21
	2016	0.8311	0.6917	0.4767	0.5842	0.7060	0.5875	0.6699	66.99
	2017	0.8320	0.6983	0.4847	0.5915	0.7127	0.5816	0.6720	67.20
	2018	0.8335	0.7017	0.4900	0.5958	0.7242	0.6827	0.7039	70.39
	2019	0.8343	0.7044	0.5020	0.6032	0.7333	0.6097	0.6887	68.87
	2020	0.8365	0.7056	0.5127	0.6091	0.7285	0.6762	0.7078	70.78
D I Yogyakarta	2010	0.8334	0.7859	0.5675	0.6767	0.7591	0.7191	0.7449	74.49
	2011	0.8348	0.8116	0.5686	0.6901	0.7600	0.6889	0.7411	74.11
	2012	0.8363	0.8132	0.5755	0.6944	0.7605	0.5303	0.6957	69.57
	2013	0.8377	0.8149	0.5815	0.6982	0.7636	0.5181	0.6936	69.36
	2014	0.8384	0.8248	0.5892	0.7070	0.7645	0.4953	0.6883	68.83
	2015	0.8412	0.8352	0.5999	0.7175	0.7740	0.5099	0.6986	69.86
	2016	0.8417	0.8461	0.6080	0.7271	0.7869	0.5137	0.7052	70.52
	2017	0.8422	0.8567	0.6127	0.7347	0.7935	0.4980	0.7032	70.32
	2018	0.8434	0.8644	0.6213	0.7429	0.8030	0.6298	0.7503	75.03
	2019	0.8449	0.8656	0.6253	0.7454	0.8127	0.4924	0.7085	70.85
	2020	0.8460	0.8661	0.6367	0.7514	0.8045	0.6665	0.7641	76.41
Jawa Timur	2010	0.7675	0.6386	0.4487	0.5436	0.6692	0.4949	0.6097	60.97
	2011	0.7695	0.6454	0.4525	0.5490	0.6823	0.5449	0.6295	62.95
	2012	0.7714	0.6522	0.4564	0.5543	0.6951	0.5761	0.6433	64.33
	2013	0.7745	0.6758	0.4600	0.5679	0.7007	0.5626	0.6453	64.53
	2014	0.7762	0.6918	0.4701	0.5809	0.7017	0.5648	0.6502	65.02
	2015	0.7797	0.7034	0.4762	0.5898	0.7129	0.6267	0.6732	67.32
	2016	0.7806	0.7211	0.4820	0.6016	0.7225	0.5898	0.6688	66.88
	2017	0.7815	0.7272	0.4893	0.6083	0.7297	0.5746	0.6682	66.82
	2018	0.7842	0.7278	0.4927	0.6102	0.7409	0.6708	0.6983	69.83
	2019	0.7874	0.7311	0.5060	0.6186	0.7504	0.6025	0.6850	68.50
	2020	0.7892	0.7328	0.5187	0.6257	0.7467	0.6707	0.7052	70.52
Banten	2010	0.7462	0.6121	0.5282	0.5702	0.7242	0.4898	0.6233	62.33
	2011	0.7489	0.6341	0.5298	0.5820	0.7286	0.4898	0.6280	62.80
	2012	0.7517	0.6550	0.5372	0.5961	0.7307	0.4685	0.6258	62.58
	2013	0.7545	0.6692	0.5445	0.6068	0.7322	0.4633	0.6278	62.78
	2014	0.7558	0.6837	0.5458	0.6148	0.7346	0.4367	0.6214	62.14
	2015	0.7605	0.6859	0.5513	0.6186	0.7377	0.5536	0.6620	66.20
	2016	0.7609	0.7056	0.5580	0.6318	0.7432	0.6000	0.6805	68.05
	2017	0.7614	0.7100	0.5687	0.6393	0.7483	0.5158	0.6584	65.84
	2018	0.7637	0.7139	0.5747	0.6443	0.7569	0.5700	0.6788	67.88
	2019	0.7668	0.7156	0.5827	0.6491	0.7638	0.5109	0.6639	66.39
	2020	0.7686	0.7161	0.5927	0.6544	0.7562	0.5937	0.6893	68.93
Bali	2010	0.7786	0.6503	0.5157	0.5830	0.7589	0.9965	0.7655	76.55
	2011	0.7812	0.6734	0.5179	0.5957	0.7648	0.8530	0.7423	74.23

Provinsi	Tahun	IAHH	IHLS	IRTS	Rata-rata	Ipeng	Ilingk	AHDI	% AHDI
	2012	0.7837	0.6810	0.5364	0.6087	0.7703	0.5911	0.6827	68.27
	2013	0.7863	0.6890	0.5401	0.6146	0.7753	0.5750	0.6813	68.13
	2014	0.7876	0.7024	0.5409	0.6216	0.7775	0.5981	0.6908	69.08
	2015	0.7900	0.7205	0.5504	0.6355	0.7834	0.7371	0.7338	73.38
	2016	0.7909	0.7244	0.5573	0.6409	0.7880	0.7259	0.7338	73.38
	2017	0.7917	0.7339	0.5700	0.6519	0.7947	0.7011	0.7323	73.23
	2018	0.7951	0.7350	0.5767	0.6558	0.8017	0.6662	0.7264	72.64
	2019	0.7998	0.7372	0.5893	0.6633	0.8074	0.6309	0.7210	72.10
	2020	0.8020	0.7406	0.5967	0.6686	0.8026	0.7199	0.7461	74.61
Nusa Tenggara Barat	2010	0.6742	0.6478	0.3823	0.5150	0.6591	0.9015	0.6739	67.39
	2011	0.6789	0.6651	0.4047	0.5349	0.6609	0.8430	0.6707	67.07
	2012	0.6835	0.6785	0.4221	0.5503	0.6641	0.6557	0.6362	63.62
	2013	0.6883	0.6920	0.4362	0.5641	0.6675	0.6777	0.6474	64.74
	2014	0.6907	0.7074	0.4446	0.5760	0.6687	0.6939	0.6555	65.55
	2015	0.6982	0.7243	0.4476	0.5860	0.6772	0.5882	0.6354	63.54
	2016	0.6997	0.7311	0.4527	0.5919	0.6881	0.5653	0.6335	63.35
	2017	0.7008	0.7478	0.4600	0.6039	0.6976	0.5699	0.6404	64.04
	2018	0.7057	0.7483	0.4687	0.6085	0.7099	0.7516	0.6919	69.19
	2019	0.7120	0.7489	0.4847	0.6168	0.7203	0.6456	0.6722	67.22
	2020	0.7155	0.7611	0.4873	0.6242	0.7119	0.7083	0.6889	68.89
Nusa Tenggara Timur	2010	0.6966	0.6028	0.4334	0.5181	0.5751	0.5072	0.5696	56.96
	2011	0.6992	0.6415	0.4402	0.5409	0.5780	0.5901	0.5993	59.93
	2012	0.7022	0.6518	0.4471	0.5494	0.5828	0.6690	0.6228	62.28
	2013	0.7049	0.6816	0.4506	0.5661	0.5879	0.6419	0.6230	62.30
	2014	0.7063	0.7028	0.4567	0.5798	0.5895	0.6298	0.6244	62.44
	2015	0.7071	0.7134	0.4619	0.5876	0.5925	0.6379	0.6295	62.95
	2016	0.7083	0.7206	0.4680	0.5943	0.5976	0.5923	0.6213	62.13
	2017	0.7088	0.7261	0.4767	0.6014	0.6073	0.6192	0.6327	63.27
	2018	0.7135	0.7278	0.4867	0.6072	0.6161	0.6901	0.6551	65.51
	2019	0.7208	0.7306	0.5033	0.6169	0.6242	0.6967	0.6631	66.31
	2020	0.7232	0.7322	0.5087	0.6204	0.6174	0.7328	0.6713	67.13
Kalimantan Barat	2010	0.7548	0.5993	0.4181	0.5087	0.6197	0.7639	0.6529	65.29
	2011	0.7578	0.5999	0.4214	0.5106	0.6264	0.7427	0.6514	65.14
	2012	0.7609	0.6171	0.4413	0.5292	0.6332	0.6991	0.6498	64.98
	2013	0.7640	0.6446	0.4461	0.5454	0.6380	0.6812	0.6523	65.23
	2014	0.7655	0.6605	0.4551	0.5578	0.6398	0.6831	0.6573	65.73
	2015	0.7673	0.6803	0.4621	0.5712	0.6437	0.7588	0.6802	68.02
	2016	0.7677	0.6872	0.4653	0.5763	0.6462	0.7224	0.6741	67.41
	2017	0.7680	0.6944	0.4700	0.5822	0.6507	0.7417	0.6816	68.16
	2018	0.7720	0.6972	0.4747	0.5859	0.6644	0.7309	0.6846	68.46
	2019	0.7778	0.6989	0.4873	0.5931	0.6710	0.6592	0.6721	67.21
	2020	0.7798	0.7000	0.4913	0.5957	0.6668	0.7007	0.6825	68.25
Kalimantan Tengah	2010	0.7535	0.6159	0.5078	0.5618	0.6778	0.5038	0.6166	61.66
	2011	0.7552	0.6195	0.5117	0.5656	0.6848	0.6398	0.6577	65.77
	2012	0.7566	0.6232	0.5156	0.5694	0.6875	0.7084	0.6768	67.68

Provinsi	Tahun	IAHH	IHLS	IRTS	Rata-rata	Ipeng	Ilingk	AHDI	% AHDI
	2013	0.7583	0.6508	0.5195	0.5852	0.6902	0.6953	0.6793	67.93
	2014	0.7598	0.6629	0.5217	0.5923	0.6915	0.7037	0.6841	68.41
	2015	0.7622	0.6787	0.5356	0.6072	0.6955	0.7409	0.6988	69.88
	2016	0.7626	0.6850	0.5420	0.6135	0.7061	0.7471	0.7048	70.48
	2017	0.7629	0.6917	0.5527	0.6222	0.7160	0.7147	0.7020	70.20
	2018	0.7637	0.6972	0.5580	0.6276	0.7286	0.7571	0.7171	71.71
	2019	0.7645	0.6983	0.5673	0.6328	0.7370	0.7420	0.7172	71.72
	2020	0.7652	0.7033	0.5727	0.6380	0.7347	0.7274	0.7147	71.47
Kalimantan Selatan	2010	0.7177	0.6035	0.4836	0.5435	0.7105	0.5824	0.6339	63.39
	2011	0.7212	0.6190	0.4912	0.5551	0.7144	0.6029	0.6444	64.44
	2012	0.7248	0.6409	0.4988	0.5698	0.7178	0.5710	0.6414	64.14
	2013	0.7285	0.6485	0.5061	0.5773	0.7207	0.5620	0.6424	64.24
	2014	0.7303	0.6642	0.5067	0.5855	0.7234	0.5751	0.6494	64.94
	2015	0.7354	0.6784	0.5170	0.5977	0.7274	0.5747	0.6547	65.47
	2016	0.7372	0.6828	0.5260	0.6044	0.7389	0.5907	0.6641	66.41
	2017	0.7388	0.6922	0.5327	0.6124	0.7467	0.6938	0.6958	69.58
	2018	0.7420	0.6944	0.5333	0.6139	0.7586	0.6878	0.6982	69.82
	2019	0.7460	0.6956	0.5467	0.6211	0.7635	0.6194	0.6842	68.42
	2020	0.7486	0.7044	0.5527	0.6286	0.7579	0.6843	0.7029	70.29
Kalimantan Timur	2010	0.8137	0.6593	0.5706	0.6150	0.7246	0.6222	0.6892	68.92
	2011	0.8169	0.6698	0.5859	0.6279	0.7284	0.7075	0.7170	71.70
	2012	0.8203	0.6921	0.5887	0.6404	0.7289	0.7312	0.7274	72.74
	2013	0.8234	0.7139	0.5916	0.6527	0.7300	0.7241	0.7301	73.01
	2014	0.8249	0.7315	0.6025	0.6670	0.7310	0.7400	0.7386	73.86
	2015	0.8254	0.7324	0.6097	0.6710	0.7368	0.8115	0.7586	75.86
	2016	0.8258	0.7417	0.6160	0.6788	0.7402	0.7685	0.7515	75.15
	2017	0.8262	0.7494	0.6240	0.6867	0.7470	0.7565	0.7525	75.25
	2018	0.8302	0.7594	0.6320	0.6957	0.7550	0.8590	0.7823	78.23
	2019	0.8342	0.7606	0.6467	0.7036	0.7661	0.8087	0.7765	77.65
	2020	0.8358	0.7622	0.6513	0.7068	0.7501	0.7646	0.7629	76.29
Sulawesi Utara	2010	0.7754	0.6298	0.5773	0.6035	0.6669	0.8418	0.7159	71.59
	2011	0.7777	0.6389	0.5790	0.6089	0.6730	0.8459	0.7206	72.06
	2012	0.7800	0.6541	0.5807	0.6174	0.6834	0.6575	0.6820	68.20
	2013	0.7825	0.6600	0.5860	0.6230	0.6883	0.6357	0.6796	67.96
	2014	0.7837	0.6757	0.5909	0.6333	0.6898	0.6559	0.6884	68.84
	2015	0.7845	0.6906	0.5923	0.6414	0.6930	0.6627	0.6933	69.33
	2016	0.7849	0.6972	0.5973	0.6473	0.7059	0.6707	0.7003	70.03
	2017	0.7852	0.7033	0.6093	0.6563	0.7140	0.7081	0.7145	71.45
	2018	0.7886	0.7044	0.6160	0.6602	0.7229	0.7495	0.7288	72.88
	2019	0.7935	0.7072	0.6287	0.6679	0.7337	0.6515	0.7095	70.95
	2020	0.7952	0.7139	0.6327	0.6733	0.7246	0.7051	0.7232	72.32
Sulawesi Tengah	2010	0.7088	0.6207	0.5101	0.5654	0.6327	0.9758	0.7053	70.53
	2011	0.7137	0.6567	0.5128	0.5848	0.6361	0.9853	0.7152	71.52
	2012	0.7185	0.6716	0.5155	0.5936	0.6439	0.7998	0.6846	68.46
	2013	0.7234	0.6865	0.5215	0.6040	0.6517	0.7846	0.6875	68.75

Provinsi	Tahun	IAHH	IHLS	IRTS	Rata-rata	Ipeng	Ilingk	AHDI	% AHDI
	2014	0.7258	0.7063	0.5263	0.6163	0.6553	0.7640	0.6879	68.79
	2015	0.7270	0.7064	0.5314	0.6189	0.6612	0.6701	0.6682	66.82
	2016	0.7278	0.7178	0.5413	0.6296	0.6703	0.6878	0.6780	67.80
	2017	0.7280	0.7244	0.5527	0.6386	0.6795	0.7324	0.6935	69.35
	2018	0.7351	0.7294	0.5680	0.6487	0.6853	0.7483	0.7032	70.32
	2019	0.7420	0.7300	0.5833	0.6567	0.6890	0.6761	0.6902	69.02
	2020	0.7491	0.7317	0.5887	0.6602	0.6803	0.7069	0.6983	69.83
Sulawesi Selatan	2010	0.7528	0.6373	0.4859	0.5616	0.6802	0.6289	0.6521	65.21
	2011	0.7557	0.6565	0.4886	0.5725	0.6844	0.6264	0.6563	65.63
	2012	0.7586	0.6755	0.4913	0.5834	0.6876	0.6476	0.6663	66.63
	2013	0.7615	0.6958	0.4969	0.5964	0.6899	0.6358	0.6681	66.81
	2014	0.7630	0.7165	0.4993	0.6079	0.6928	0.6406	0.6736	67.36
	2015	0.7662	0.7219	0.5091	0.6155	0.7011	0.7643	0.7090	70.90
	2016	0.7665	0.7311	0.5167	0.6239	0.7098	0.7054	0.6995	69.95
	2017	0.7668	0.7378	0.5300	0.6339	0.7159	0.6939	0.7010	70.10
	2018	0.7705	0.7411	0.5347	0.6379	0.7253	0.8334	0.7383	73.83
	2019	0.7758	0.7422	0.5507	0.6464	0.7337	0.8023	0.7371	73.71
	2020	0.7780	0.7472	0.5587	0.6529	0.7327	0.7753	0.7329	73.29
Sulawesi Tenggara	2010	0.7638	0.6751	0.5046	0.5898	0.6379	0.6223	0.6503	65.03
	2011	0.7669	0.6832	0.5115	0.5973	0.6425	0.5279	0.6279	62.79
	2012	0.7702	0.6915	0.5175	0.6045	0.6479	0.7032	0.6786	67.86
	2013	0.7735	0.6915	0.5287	0.6101	0.6530	0.6871	0.6784	67.84
	2014	0.7752	0.7100	0.5349	0.6224	0.6537	0.7214	0.6907	69.07
	2015	0.7760	0.7264	0.5451	0.6357	0.6587	0.7518	0.7030	70.30
	2016	0.7763	0.7356	0.5547	0.6451	0.6648	0.7524	0.7074	70.74
	2017	0.7765	0.7422	0.5640	0.6531	0.6723	0.7086	0.7011	70.11
	2018	0.7803	0.7517	0.5793	0.6655	0.6779	0.8317	0.7356	73.56
	2019	0.7842	0.7528	0.5940	0.6734	0.6836	0.7203	0.7141	71.41
	2020	0.7880	0.7583	0.6027	0.6805	0.6802	0.7282	0.7179	71.79
Gorontalo	2010	0.7140	0.6177	0.4568	0.5373	0.6410	0.9793	0.7005	70.05
	2011	0.7168	0.6491	0.4592	0.5542	0.6442	0.9889	0.7092	70.92
	2012	0.7194	0.6547	0.4617	0.5582	0.6578	0.7469	0.6665	66.65
	2013	0.7218	0.6738	0.4641	0.5689	0.6595	0.7419	0.6695	66.95
	2014	0.7231	0.6936	0.4647	0.5792	0.6610	0.7552	0.6762	67.62
	2015	0.7249	0.7054	0.4702	0.5878	0.6704	0.7108	0.6712	67.12
	2016	0.7251	0.7156	0.4747	0.5951	0.6750	0.6930	0.6703	67.03
	2017	0.7252	0.7228	0.4853	0.6041	0.6867	0.6746	0.6712	67.12
	2018	0.7300	0.7239	0.4973	0.6106	0.6964	0.8409	0.7148	71.48
	2019	0.7374	0.7256	0.5127	0.6191	0.7036	0.7497	0.7005	70.05
	2020	0.7395	0.7267	0.5213	0.6240	0.7020	0.7531	0.7028	70.28
Sulawesi Barat	2010	0.6538	0.5878	0.4418	0.5148	0.6333	0.6289	0.6051	60.51
	2011	0.6582	0.6230	0.4434	0.5332	0.6350	0.6785	0.6236	62.36
	2012	0.6622	0.6268	0.4506	0.5387	0.6366	0.7145	0.6347	63.47
	2013	0.6665	0.6369	0.4577	0.5473	0.6388	0.7014	0.6358	63.58
	2014	0.6775	0.6542	0.4584	0.5563	0.6396	0.7229	0.6461	64.61

Provinsi	Tahun	IAHH	IHLS	IRTS	Rata-rata	Ipeng	Ilingk	AHDI	% AHDI
	2015	0.6804	0.6787	0.4625	0.5706	0.6429	0.6878	0.6437	64.37
	2016	0.6817	0.6856	0.4760	0.5808	0.6499	0.6454	0.6384	63.84
	2017	0.6822	0.6933	0.4873	0.5903	0.6601	0.7447	0.6670	66.70
	2018	0.6858	0.6994	0.5000	0.5997	0.6709	0.7989	0.6852	68.52
	2019	0.6895	0.7011	0.5153	0.6082	0.6770	0.7203	0.6725	67.25
	2020	0.6932	0.7094	0.5260	0.6177	0.6748	0.7360	0.6791	67.91
Maluku	2010	0.6840	0.7011	0.5761	0.6386	0.6078	0.7972	0.6783	67.83
	2011	0.6863	0.7137	0.5814	0.6475	0.6109	0.7309	0.6674	66.74
	2012	0.6888	0.7200	0.5866	0.6533	0.6225	0.7434	0.6755	67.55
	2013	0.6912	0.7417	0.5876	0.6647	0.6283	0.7378	0.6793	67.93
	2014	0.6925	0.7516	0.6103	0.6810	0.6303	0.7479	0.6866	68.66
	2015	0.6971	0.7534	0.6107	0.6820	0.6341	0.7633	0.6926	69.26
	2016	0.6977	0.7628	0.6180	0.6904	0.6413	0.7166	0.6859	68.59
	2017	0.6985	0.7728	0.6253	0.6991	0.6493	0.7512	0.6986	69.86
	2018	0.7014	0.7733	0.6387	0.7060	0.6595	0.8123	0.7177	71.77
	2019	0.7049	0.7744	0.6540	0.7142	0.6653	0.7955	0.7185	71.85
2020	0.7074	0.7756	0.6620	0.7188	0.6599	0.7598	0.7106	71.06	
Maluku Utara	2010	0.7185	0.6524	0.5274	0.5899	0.5841	0.7972	0.6665	66.65
	2011	0.7211	0.6550	0.5319	0.5935	0.5895	0.7309	0.6553	65.53
	2012	0.7238	0.6770	0.5363	0.6066	0.5949	0.7931	0.6747	67.47
	2013	0.7268	0.6935	0.5510	0.6223	0.6010	0.7747	0.6774	67.74
	2014	0.7282	0.7065	0.5560	0.6312	0.6024	0.7722	0.6800	68.00
	2015	0.7298	0.7277	0.5578	0.6427	0.6103	0.7597	0.6829	68.29
	2016	0.7309	0.7472	0.5680	0.6576	0.6153	0.7246	0.6804	68.04
	2017	0.7314	0.7533	0.5740	0.6637	0.6251	0.7455	0.6896	68.96
	2018	0.7354	0.7567	0.5813	0.6690	0.6324	0.8825	0.7239	72.39
	2019	0.7412	0.7572	0.6000	0.6786	0.6447	0.7844	0.7102	71.02
2020	0.7435	0.7594	0.6027	0.6811	0.6344	0.7471	0.6999	69.99	
Papua Barat	2010	0.6860	0.6165	0.4516	0.5341	0.5779	0.5956	0.5959	59.59
	2011	0.6885	0.6227	0.4547	0.5387	0.5794	0.6851	0.6194	61.94
	2012	0.6905	0.6364	0.4577	0.5470	0.5804	0.8350	0.6541	65.41
	2013	0.6931	0.6485	0.4608	0.5546	0.5878	0.8345	0.6590	65.90
	2014	0.6944	0.6595	0.4639	0.5617	0.5899	0.8451	0.6640	66.40
	2015	0.6952	0.6703	0.4670	0.5686	0.5951	0.8233	0.6634	66.34
	2016	0.6969	0.6811	0.4707	0.5759	0.5999	0.8301	0.6686	66.86
	2017	0.6972	0.6928	0.4767	0.5847	0.6132	0.8569	0.6803	68.03
	2018	0.7008	0.6961	0.4847	0.5904	0.6261	0.9150	0.6977	69.77
	2019	0.7062	0.7067	0.4960	0.6013	0.6379	0.8396	0.6906	69.06
2020	0.7080	0.7172	0.5067	0.6119	0.6364	0.7865	0.6824	68.24	
Papua	2010	0.6817	0.4762	0.3728	0.4245	0.5578	0.5956	0.5568	55.68
	2011	0.6840	0.4955	0.3732	0.4343	0.5603	0.6851	0.5811	58.11
	2012	0.6862	0.5063	0.3819	0.4441	0.5625	0.8255	0.6133	61.33
	2013	0.6886	0.5322	0.3830	0.4576	0.5647	0.8298	0.6199	61.99
	2014	0.6898	0.5523	0.3842	0.4682	0.5658	0.8065	0.6196	61.96
	2015	0.6937	0.5527	0.3992	0.4760	0.5682	0.8101	0.6244	62.44

Provinsi	Tahun	IAHH	IHLS	IRTS	Rata-rata	Ipeng	Ilingk	AHDI	% AHDI
	2016	0.6942	0.5683	0.4100	0.4892	0.5761	0.8135	0.6316	63.16
	2017	0.6945	0.5856	0.4180	0.5018	0.5922	0.8147	0.6403	64.03
	2018	0.6978	0.6017	0.4347	0.5182	0.5992	0.8388	0.6529	65.29
	2019	0.7023	0.6139	0.4433	0.5286	0.6067	0.8179	0.6551	65.51
	2020	0.7045	0.6161	0.4460	0.5311	0.5904	0.7975	0.6478	64.78
Indonesia	2010	0.7663	0.6270	0.4974	0.5622	0.6837	0.5956	0.6472	64.72
	2011	0.7694	0.6357	0.5015	0.5686	0.6904	0.6851	0.6745	67.45
	2012	0.7723	0.6492	0.5057	0.5774	0.6956	0.8255	0.7114	71.14
	2013	0.7754	0.6723	0.5072	0.5897	0.6970	0.8298	0.7171	71.71
	2014	0.7783	0.6881	0.5156	0.6018	0.6984	0.8065	0.7167	71.67
	2015	0.7812	0.6971	0.5229	0.6100	0.7059	0.8101	0.7225	72.25
	2016	0.7831	0.7067	0.5300	0.6183	0.7139	0.8135	0.7282	72.82
	2017	0.7855	0.7139	0.5400	0.6269	0.7210	0.8147	0.7334	73.34
	2018	0.7876	0.7172	0.5447	0.6309	0.7321	0.8388	0.7433	74.33
	2019	0.7898	0.7194	0.5560	0.6377	0.7387	0.8179	0.7427	74.27
	2020	0.7918	0.7211	0.5653	0.6432	0.7308	0.7975	0.7381	73.81

Sumber: Data diolah, Tahun 2021

Lampiran 4 Perkembangan Belanja Infrastruktur, Belanja Pendidikan, dan Belanja Kesehatan 33 Provinsi di Indonesia Tahun 2010 - 2020

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
1	Aceh	2010	3,330,013.99	1,956,369.18	5,286,383.17	4,083,707.00	1,946,167.68	1,300,000.00
		2011	3,325,401.55	2,051,605.40	5,377,006.95	4,744,654.28	2,241,357.72	1,350,000.00
		2012	3,359,981.77	2,344,695.11	5,704,676.88	5,369,405.05	2,540,836.95	1,400,000.00
		2013	4,052,603.13	3,261,372.90	7,313,976.03	6,204,530.73	3,583,774.61	1,550,000.00
		2014	5,122,573.01	4,062,630.52	9,185,203.53	7,962,933.89	4,847,169.01	1,750,000.00
		2015	5,958,202.44	3,501,519.30	9,459,721.75	9,401,428.74	5,040,984.07	1,900,000.00
		2016	6,613,202.45	3,207,220.85	9,820,423.30	8,370,144.75	5,665,222.48	2,118,500.00
		2017	7,342,776.68	3,349,855.62	10,692,632.30	10,176,035.29	6,048,557.97	2,500,000.00
		2018	7,518,286.51	2,847,970.73	10,366,257.25	9,885,926.65	6,348,642.22	2,717,750.00
		2019	7,086,436.54	3,581,487.52	10,667,924.06	11,252,764.60	7,349,597.91	2,916,810.00
		2020	4,189,361.63	2,569,689.95	6,759,051.58	10,474,649.21	7,142,386.66	3,165,030.00
2	Sumatera Utara	2010	2,898,635.91	1,636,973.44	4,535,609.35	7,620,793.00	2,053,337.87	965,000.00
		2011	3,539,108.15	1,386,103.36	4,925,211.51	9,658,195.23	2,599,590.17	1,035,500.00
		2012	4,508,146.27	2,303,151.70	6,811,297.97	9,415,514.71	3,201,178.27	1,200,000.00
		2013	5,071,818.99	2,810,662.93	7,882,481.91	10,539,054.67	3,804,950.31	1,375,000.00
		2014	5,771,712.93	2,916,765.70	8,688,478.64	12,989,911.71	3,892,080.82	1,505,850.00
		2015	6,470,267.24	2,849,240.71	9,319,507.94	14,145,941.39	4,767,859.45	1,625,000.00
		2016	6,420,782.39	1,971,450.10	8,392,232.49	15,968,452.69	5,599,168.49	1,811,875.00
		2017	8,890,340.48	3,276,704.34	12,167,044.81	16,852,144.43	5,751,800.40	1,961,354.00
		2018	8,607,746.54	2,858,121.55	11,465,868.09	16,751,609.41	6,542,367.54	2,132,188.00
		2019	8,672,485.97	3,163,582.88	11,836,068.85	17,898,737.57	6,987,123.24	2,860,382.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2020	4,637,138.46	2,416,456.83	7,053,595.29	17,924,533.68	7,215,483.10	3,103,800.00
3	Sumatera Barat	2010	1,393,140.52	938,998.00	2,332,138.52	3,991,846.58	1,157,160.67	940,000.00
		2011	1,611,091.16	1,064,477.59	2,675,568.75	4,793,546.06	1,280,115.36	1,055,000.00
		2012	2,034,799.67	1,233,406.68	3,268,206.35	5,367,105.27	1,484,097.36	1,150,000.00
		2013	2,562,664.37	1,620,781.36	4,183,445.73	5,179,978.44	1,998,576.13	1,350,000.00
		2014	2,683,933.51	1,550,371.27	4,234,304.78	5,627,399.91	2,124,897.63	1,490,000.00
		2015	2,769,214.06	1,643,396.66	4,412,610.73	7,415,997.04	2,604,523.61	1,615,000.00
		2016	3,329,968.84	1,757,876.45	5,087,845.29	8,271,982.02	3,075,412.62	1,800,725.00
		2017	3,539,378.20	1,747,355.85	5,286,734.05	8,064,206.49	3,224,116.14	1,949,284.00
		2018	3,437,789.48	1,706,182.36	5,143,971.84	9,220,607.56	3,795,844.93	2,119,067.00
		2019	3,629,703.19	1,931,458.85	5,561,162.04	9,874,148.76	4,153,662.54	2,289,228.00
		2020	1,835,575.90	1,506,621.50	3,342,197.40	9,290,602.50	4,354,368.25	2,484,041.00
4	Riau	2010	3,581,816.15	1,640,030.35	5,221,846.50	4,334,095.54	1,311,842.27	1,016,000.00
		2011	3,681,355.33	1,970,839.02	5,652,194.35	5,574,328.10	1,677,686.15	1,120,000.00
		2012	4,551,250.33	2,208,590.59	6,759,840.92	6,117,729.60	1,804,531.67	1,238,000.00
		2013	4,347,028.67	3,405,054.06	7,752,082.73	7,430,892.78	2,954,317.67	1,400,000.00
		2014	4,143,826.46	2,563,970.88	6,707,797.34	8,456,483.84	2,827,925.13	1,700,000.00
		2015	5,214,924.25	2,691,187.18	7,906,111.43	8,808,451.27	3,198,795.30	1,878,000.00
		2016	5,357,406.21	1,900,956.08	7,258,362.29	8,930,071.34	3,139,342.12	2,095,000.00
		2017	4,571,342.48	1,801,274.27	6,372,616.75	9,711,283.76	3,492,801.59	2,266,722.00
		2018	4,579,735.35	1,647,204.72	6,226,940.07	9,091,793.97	3,553,657.65	2,464,154.00
		2019	4,529,163.03	1,912,772.58	6,441,935.61	9,921,911.73	4,188,210.76	2,662,025.00
2020	2,893,729.09	1,521,047.58	4,414,776.67	9,904,522.26	4,558,039.82	2,888,563.00		
5	Jambi	2010	1,394,471.02	776,597.26	2,171,068.28	2,041,254.62	785,368.09	900,000.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2011	1,726,999.91	765,795.32	2,492,795.24	2,509,070.34	892,285.42	1,028,000.00
		2012	2,273,732.03	1,078,189.60	3,351,921.63	2,958,010.25	955,547.80	1,142,500.00
		2013	2,304,554.88	1,354,454.05	3,659,008.93	3,507,684.92	1,489,859.55	1,300,000.00
		2014	2,731,419.39	1,265,314.37	3,996,733.76	3,865,177.06	1,513,219.09	1,502,300.00
		2015	2,695,292.85	1,223,564.75	3,918,857.60	4,126,035.84	1,639,588.03	1,710,000.00
		2016	3,098,275.18	1,221,240.84	4,319,516.02	4,563,691.55	1,962,268.64	1,906,650.00
		2017	3,267,530.14	1,111,568.91	4,379,099.05	4,739,100.57	1,933,406.32	2,063,948.00
		2018	3,319,694.31	1,140,088.09	4,459,782.40	4,951,021.73	2,226,485.95	2,243,718.00
		2019	3,583,772.98	1,326,586.94	4,910,359.92	5,374,805.40	2,511,567.35	2,423,889.00
		2020	2,450,074.98	979,626.66	3,429,701.63	5,164,512.70	2,635,472.11	2,630,161.00
6	Sumatera Selatan	2010	2,852,167.84	1,365,536.94	4,217,704.78	3,816,599.66	1,520,573.20	927,825.00
		2011	3,866,218.54	1,579,749.36	5,445,967.90	4,971,346.37	1,642,277.23	1,048,440.00
		2012	4,528,483.80	1,828,064.49	6,356,548.29	5,926,772.79	1,778,536.76	1,195,220.00
		2013	4,867,958.98	2,368,472.04	7,236,431.02	6,781,699.61	2,634,916.07	1,630,000.00
		2014	6,387,667.39	2,377,099.82	8,764,767.20	6,768,180.11	2,462,346.79	1,825,000.00
		2015	5,361,977.53	1,863,536.68	7,225,514.21	7,468,031.45	2,797,641.49	1,974,346.00
		2016	6,495,705.61	1,753,268.04	8,248,973.64	8,026,714.99	3,223,357.85	2,206,000.00
		2017	6,236,832.61	1,402,181.43	7,639,014.04	8,500,470.04	3,571,232.26	2,388,000.00
		2018	6,664,499.13	1,539,142.58	8,203,641.71	10,065,816.88	4,128,195.58	2,595,995.00
		2019	8,759,501.56	1,813,751.39	10,573,252.96	10,897,845.57	4,588,105.54	2,804,453.00
2020	7,068,886.09	1,591,926.29	8,660,812.38	10,912,595.56	4,874,518.34	3,043,111.00		
7	Bengkulu	2010	602,852.84	465,171.79	1,068,024.63	1,399,353.36	583,879.85	780,000.00
		2011	694,005.31	572,842.51	1,266,847.82	1,660,526.03	628,321.76	815,000.00
		2012	786,500.56	633,705.64	1,420,206.19	1,938,082.83	677,660.13	930,000.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2013	977,659.17	852,119.77	1,829,778.94	1,828,577.11	914,928.72	1,200,000.00
		2014	1,208,656.94	761,919.05	1,970,575.99	2,351,253.00	993,167.77	1,350,000.00
		2015	1,401,826.82	819,478.92	2,221,305.74	2,747,625.06	1,289,001.57	1,500,000.00
		2016	1,714,854.02	714,124.64	2,428,978.66	2,910,490.39	1,394,206.59	1,605,000.00
		2017	1,904,590.01	675,648.77	2,580,238.78	2,792,994.86	1,576,164.54	1,737,412.00
		2018	1,811,702.17	731,376.96	2,543,079.12	3,190,328.55	1,640,433.15	1,888,741.00
		2019	2,157,079.54	753,115.46	2,910,195.00	3,437,705.47	1,933,130.87	2,040,000.00
		2020	1,102,082.77	541,958.74	1,644,041.51	3,441,416.16	2,036,591.64	2,213,604.00
8	Lampung	2010	1,613,872.50	684,298.58	2,298,171.08	3,315,288.51	886,361.85	767,500.00
		2011	1,996,377.78	928,912.72	2,925,290.50	5,042,507.57	1,147,953.04	855,000.00
		2012	2,390,022.51	1,036,482.40	3,426,504.91	5,653,613.97	1,402,175.25	975,000.00
		2013	2,762,340.25	1,263,787.19	4,026,127.44	5,331,612.08	1,781,400.10	1,150,000.00
		2014	3,078,766.91	1,404,932.42	4,483,699.32	6,116,413.76	1,890,524.79	1,399,037.00
		2015	3,633,056.45	1,365,252.15	4,998,308.61	7,120,100.21	2,185,761.58	1,581,000.00
		2016	5,086,118.18	1,489,609.74	6,575,727.92	7,851,747.08	2,448,599.99	1,763,000.00
		2017	5,555,328.97	1,274,680.65	6,830,009.62	9,086,130.73	2,933,677.09	1,908,447.00
		2018	5,413,852.36	1,267,805.94	6,681,658.30	9,171,347.45	3,192,262.25	2,074,673.00
		2019	5,544,734.71	1,593,291.70	7,138,026.41	9,634,278.41	3,326,870.51	2,240,646.00
		2020	2,758,292.49	1,261,032.17	4,019,324.66	9,580,670.42	4,142,586.54	2,431,324.00
9	Kepulauan Bangka Belitung	2010	706,037.48	281,917.37	987,954.85	976,684.61	450,952.88	910,000.00
		2011	701,682.20	415,380.26	1,117,062.46	1,028,690.13	586,669.90	1,024,000.00
		2012	905,989.31	543,894.78	1,449,884.09	1,161,724.49	610,784.70	1,110,000.00
		2013	960,331.41	765,846.52	1,726,177.94	1,419,233.72	836,229.55	1,265,000.00
		2014	963,412.65	570,253.47	1,533,666.12	1,704,074.69	849,298.09	1,640,000.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2015	1,270,623.92	606,101.77	1,876,725.68	1,879,931.13	1,044,523.39	2,100,000.00
		2016	1,166,069.48	585,602.78	1,751,672.26	2,076,998.82	1,126,121.37	2,341,500.00
		2017	1,244,436.07	503,162.50	1,747,598.57	2,208,511.85	1,164,794.31	2,534,673.00
		2018	1,185,673.76	531,266.97	1,716,940.73	2,354,843.63	1,305,357.13	2,755,443.00
		2019	1,270,817.09	653,035.73	1,923,852.81	2,639,241.83	1,422,759.29	2,976,705.00
		2020	746,294.94	523,736.39	1,270,031.33	2,725,504.87	1,637,848.42	3,230,022.00
10	Kepulauan Riau	2010	1,134,285.34	545,524.13	1,679,809.47	1,291,496.85	608,303.01	925,000.00
		2011	1,131,958.11	784,564.37	1,916,522.48	1,849,843.95	827,864.55	975,000.00
		2012	1,160,299.96	935,640.01	2,095,939.96	1,741,299.02	763,849.40	1,015,000.00
		2013	1,443,046.87	1,235,907.46	2,678,954.33	2,257,212.65	1,172,143.33	1,365,087.00
		2014	1,475,013.82	1,072,088.40	2,547,102.23	2,716,672.05	1,249,709.89	1,665,000.00
		2015	1,395,882.32	855,833.79	2,251,716.11	2,178,577.98	1,064,867.18	1,954,000.00
		2016	1,619,764.21	874,345.74	2,494,109.96	2,616,023.27	1,560,969.56	2,178,710.00
		2017	1,746,147.67	1,048,709.76	2,794,857.43	2,826,455.75	1,369,998.53	2,358,454.00
		2018	1,967,654.08	1,117,504.50	3,085,158.58	2,917,172.46	1,473,687.39	2,563,875.00
		2019	2,163,941.17	1,231,766.99	3,395,708.16	3,197,010.49	1,786,740.18	2,769,683.00
		2020	1,418,627.11	985,048.54	2,403,675.65	3,149,651.97	1,950,738.43	3,000,803.00
11	DKI Jakarta	2010	4,252,635.79	2,003,524.62	6,256,160.41	7,329,023.17	2,058,842.84	1,118,009.00
		2011	4,439,925.40	3,098,050.17	7,537,975.57	8,355,589.12	2,481,683.10	1,290,000.00
		2012	5,156,144.81	3,453,032.35	8,609,177.15	10,163,827.32	2,912,303.78	1,529,150.00
		2013	6,208,206.72	5,206,235.88	11,414,442.59	11,081,812.47	4,936,989.09	2,200,000.00
		2014	6,126,864.88	3,130,585.51	9,257,450.38	10,936,615.15	4,872,303.14	2,441,000.00
		2015	7,143,266.88	3,612,346.41	10,755,613.29	12,692,788.14	5,387,089.12	2,700,000.00
		2016	8,214,756.91	2,434,529.58	10,649,286.49	13,327,427.55	6,732,985.11	3,100,000.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2017	10,016,756.68	3,077,018.94	13,093,775.62	13,262,695.36	7,744,407.07	3,355,750.00
		2018	8,799,590.05	3,711,002.99	12,510,593.04	15,791,798.50	9,016,872.62	3,648,035.00
		2019	7,003,875.78	5,202,234.92	12,206,110.69	21,778,832.54	8,894,088.76	3,940,973.00
		2020	4,049,473.13	1,815,697.86	5,865,170.99	14,609,639.32	9,389,559.10	4,267,349.00
12	Jawa Barat	2010	5,076,582.12	2,778,497.55	7,855,079.67	13,758,721.01	4,549,039.31	671,500.00
		2011	4,928,975.00	3,011,780.00	7,940,755.00	20,775,436.76	5,186,231.98	732,000.00
		2012	7,072,864.47	3,899,201.01	10,972,065.48	24,337,284.45	5,945,519.16	780,000.00
		2013	8,713,666.44	4,394,367.10	13,108,033.54	24,037,706.95	6,364,466.73	850,000.00
		2014	8,390,598.12	6,166,086.02	14,556,684.14	28,502,400.93	9,510,653.42	1,000,000.00
		2015	10,738,047.08	6,068,222.24	16,806,269.32	33,375,104.79	11,289,552.04	1,000,000.00
		2016	13,074,339.04	5,311,509.11	18,385,848.15	35,019,262.09	11,601,008.92	2,250,000.00
		2017	14,122,613.33	5,524,280.29	19,646,893.62	36,512,593.00	14,067,304.13	1,420,624.00
		2018	13,462,189.56	6,238,336.36	19,700,525.92	41,220,038.19	15,969,317.12	1,544,360.00
		2019	13,316,094.64	6,623,921.50	19,940,016.15	43,849,406.90	18,378,000.71	1,668,372.00
		2020	9,121,005.29	5,155,590.30	14,276,595.59	43,662,646.90	19,399,312.79	1,810,350.00
13	Jawa Tengah	2010	2,832,291.86	2,722,625.32	5,554,917.18	14,119,857.35	4,500,301.55	660,000.00
		2011	3,757,276.57	2,957,947.83	6,715,224.40	17,751,469.59	5,123,897.11	675,000.00
		2012	4,811,166.08	3,566,750.98	8,377,917.06	19,597,213.12	6,065,039.11	765,000.00
		2013	6,147,552.75	4,366,164.53	10,513,717.27	18,579,837.12	7,632,137.08	830,000.00
		2014	7,670,142.33	5,436,094.14	13,106,236.47	24,218,226.96	8,544,883.03	910,000.00
		2015	7,985,093.53	5,194,046.51	13,179,140.03	26,909,540.98	10,171,288.89	910,000.00
		2016	9,544,756.63	4,451,851.29	13,996,607.92	27,762,024.33	12,705,221.25	910,000.00
		2017	11,122,429.06	5,697,768.24	16,820,197.30	29,705,858.89	13,835,523.87	1,367,000.00
		2018	11,314,080.65	5,505,765.25	16,819,845.90	30,473,099.27	15,138,507.43	1,486,065.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2019	10,377,046.11	5,292,776.67	15,669,822.78	31,946,764.06	15,633,012.65	1,605,396.00
		2020	5,874,258.90	4,066,233.02	9,940,491.92	31,470,625.36	16,310,953.32	1,742,015.00
14	Yogyakarta	2010	439,131.23	558,336.54	997,467.77	2,259,755.44	602,263.41	745,694.00
		2011	568,001.89	519,520.35	1,087,522.24	2,650,290.00	678,754.83	808,000.00
		2012	699,948.92	588,421.82	1,288,370.74	2,976,094.23	843,683.51	892,660.00
		2013	858,849.96	719,940.24	1,578,790.20	2,630,566.38	1,023,592.66	947,114.00
		2014	1,075,488.48	769,840.63	1,845,329.10	3,034,360.86	1,136,515.85	988,500.00
		2015	1,151,211.85	938,457.76	2,089,669.62	3,907,856.74	1,382,567.81	988,500.00
		2016	1,501,060.20	966,506.21	2,467,566.41	4,167,747.54	1,704,826.39	988,500.00
		2017	1,764,659.55	1,247,454.86	3,012,114.41	4,705,958.01	1,762,314.13	1,337,645.00
		2018	1,977,593.39	1,231,955.33	3,209,548.73	4,292,586.85	1,947,523.88	1,454,154.00
		2019	1,906,539.14	1,153,976.59	3,060,515.73	4,430,316.55	2,083,655.73	1,570,922.00
		2020	1,182,410.73	1,047,007.68	2,229,418.40	4,644,734.00	2,218,350.22	2,004,000.00
15	Jawa Timur	2010	4,248,349.28	3,620,491.29	7,868,840.56	15,147,587.23	6,008,133.92	630,000.00
		2011	4,824,765.20	4,357,367.38	9,182,132.58	18,796,586.28	6,638,879.39	705,000.00
		2012	6,564,637.98	4,747,576.81	11,312,214.80	21,755,092.26	7,993,312.22	745,000.00
		2013	7,625,070.49	5,732,235.44	13,357,305.93	21,281,766.31	10,511,736.66	866,250.00
		2014	10,897,064.19	7,554,399.75	18,451,463.94	24,993,118.58	13,042,758.80	1,000,000.00
		2015	10,292,643.22	7,123,082.23	17,415,725.45	31,526,604.09	14,293,573.11	1,000,000.00
		2016	11,668,961.27	5,630,907.89	17,299,869.16	32,119,241.89	15,210,298.30	1,000,000.00
		2017	12,580,718.63	6,709,681.45	19,290,400.08	36,686,251.63	16,711,320.24	1,388,000.00
		2018	12,254,679.79	7,115,560.60	19,370,240.38	36,103,732.24	17,637,570.55	1,508,894.00
		2019	12,998,270.49	7,576,901.26	20,575,171.75	38,592,341.96	19,940,054.49	1,630,059.00
		2020	8,887,152.61	5,792,122.25	14,679,274.86	36,861,537.50	21,215,108.21	1,810,350.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
16	Banten	2010	1,471,095.11	609,119.19	2,080,214.30	3,115,335.21	1,095,086.04	955,300.00
		2011	1,934,490.99	688,328.52	2,622,819.51	3,780,463.48	1,664,418.70	1,000,000.00
		2012	2,335,549.62	543,894.78	2,879,444.40	4,628,394.63	1,986,061.51	1,042,000.00
		2013	2,744,192.78	932,905.91	3,677,098.69	5,459,791.11	2,276,147.24	1,170,000.00
		2014	3,763,258.37	1,394,859.94	5,158,118.31	6,049,244.34	3,020,121.02	1,325,000.00
		2015	3,873,667.57	1,344,769.45	5,218,437.02	7,839,120.36	3,062,633.60	1,600,000.00
		2016	4,061,389.43	1,191,225.71	5,252,615.14	8,397,020.21	3,656,223.36	1,784,000.00
		2017	4,372,343.48	2,004,137.42	6,376,480.90	10,282,282.86	3,487,873.59	1,931,180.00
		2018	5,401,729.22	1,380,932.80	6,782,662.03	10,596,598.03	4,074,808.82	2,099,385.00
		2019	5,070,467.39	1,601,399.38	6,671,866.77	11,461,748.34	5,080,320.14	2,267,965.00
2020	2,772,038.40	1,105,832.07	3,877,870.47	10,933,194.60	4,846,206.57	2,493,523.00		
17	Bali	2010	747,385.63	642,508.59	1,389,894.21	2,449,796.83	868,862.93	829,316.00
		2011	1,048,423.59	1,051,932.54	2,100,356.14	3,297,916.90	1,387,755.47	890,000.00
		2012	1,325,938.61	996,483.56	2,322,422.18	3,664,144.36	1,617,731.95	967,500.00
		2013	1,523,242.06	1,115,940.98	2,639,183.04	3,838,724.81	1,969,758.68	1,181,000.00
		2014	2,089,871.92	1,119,647.91	3,209,519.83	4,354,322.92	2,093,704.27	1,542,600.00
		2015	2,428,778.72	1,278,313.43	3,707,092.16	5,184,333.03	2,467,196.17	1,621,172.00
		2016	2,802,307.93	715,907.87	3,518,215.80	6,442,097.49	3,019,066.25	1,807,600.00
		2017	3,070,264.38	1,234,979.56	4,305,243.94	6,770,654.87	3,129,805.36	1,956,727.00
		2018	3,131,652.76	1,327,623.09	4,459,275.85	7,025,354.23	3,434,188.35	2,127,157.00
		2019	3,619,871.42	1,392,422.88	5,012,294.30	6,858,678.31	4,029,661.11	2,297,967.00
2020	1,454,087.00	887,954.86	2,342,041.86	5,785,710.40	4,064,211.99	2,493,523.00		
18	Nusa Tenggara Barat	2010	838,791.58	683,099.31	1,521,890.89	1,970,230.18	874,795.84	890,775.00
		2011	1,153,401.85	774,933.04	1,928,334.90	3,019,184.60	871,788.25	950,000.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2012	1,267,836.26	925,737.77	2,193,574.03	2,509,079.22	1,169,480.44	1,000,000.00
		2013	1,469,487.61	1,078,647.35	2,548,134.96	3,023,402.06	1,482,192.05	1,100,000.00
		2014	1,644,871.89	1,255,897.95	2,900,769.84	3,485,249.47	1,585,950.63	1,210,000.00
		2015	2,089,919.97	1,295,507.32	3,385,427.29	4,465,302.26	2,033,357.38	1,330,000.00
		2016	2,642,876.79	1,065,871.24	3,708,748.03	4,555,151.53	2,244,060.87	1,482,950.00
		2017	3,489,650.09	1,494,097.03	4,983,747.12	6,125,950.47	2,550,987.37	1,631,245.00
		2018	3,074,138.59	1,414,836.08	4,488,974.67	6,161,074.63	3,041,109.94	1,825,000.00
		2019	2,485,304.32	1,490,493.88	3,975,798.21	6,443,827.94	3,734,557.26	2,012,610.00
		2020	1,749,552.49	1,225,931.10	2,975,483.59	6,433,959.57	3,589,071.71	2,183,883.00
19	Nusa Tenggara Timur	2010	1,537,920.08	1,137,716.23	2,675,636.31	2,657,723.28	988,419.48	800,000.00
		2011	1,535,734.60	1,259,556.98	2,795,291.58	3,429,396.20	1,084,844.75	850,000.00
		2012	1,383,258.48	1,353,849.28	2,737,107.76	4,088,044.43	1,451,263.57	925,000.00
		2013	1,678,169.12	1,445,774.63	3,123,943.74	3,877,300.34	1,852,921.17	1,010,000.00
		2014	1,909,822.76	1,617,352.82	3,527,175.57	4,728,170.44	1,834,530.20	1,150,000.00
		2015	2,601,228.85	1,826,087.05	4,427,315.91	5,738,341.07	2,543,704.40	1,250,000.00
		2016	3,583,565.43	1,250,798.43	4,834,363.86	5,358,777.54	2,813,573.20	1,425,000.00
		2017	3,364,254.75	1,824,612.64	5,188,867.39	7,192,314.44	3,434,527.51	1,525,000.00
		2018	2,923,146.58	1,704,907.89	4,628,054.47	7,548,067.81	4,060,546.66	1,660,000.00
		2019	3,223,114.54	1,665,296.16	4,888,410.70	8,367,978.87	4,264,285.20	1,783,293.00
2020	2,215,610.06	1,233,550.06	3,449,160.12	8,599,088.57	4,659,387.72	1,945,902.00		
20	Kalimantan Barat	2010	1,801,194.27	978,656.75	2,779,851.02	2,709,300.59	962,612.19	741,000.00
		2011	1,786,836.75	1,119,354.18	2,906,190.93	3,607,867.81	1,138,512.29	802,500.00
		2012	2,012,389.01	1,355,985.38	3,368,374.39	3,984,045.34	1,235,898.00	900,000.00
		2013	2,439,663.69	1,699,495.10	4,139,158.78	4,056,983.31	1,861,343.54	1,060,000.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2014	3,078,817.15	1,770,334.65	4,849,151.80	4,101,430.54	1,933,805.99	1,380,000.00
		2015	3,381,082.39	1,947,986.69	5,329,069.08	5,586,409.76	2,340,806.87	1,560,000.00
		2016	4,129,644.14	1,625,422.12	5,755,066.26	5,823,737.05	2,616,135.07	1,739,400.00
		2017	4,455,369.26	1,983,306.11	6,438,675.37	6,717,805.46	2,982,563.04	1,882,900.00
		2018	3,820,181.12	2,079,270.82	5,899,451.94	6,892,848.05	2,985,356.86	2,046,900.00
		2019	3,655,085.34	2,211,279.50	5,866,364.84	7,678,474.27	3,507,297.14	2,211,500.00
		2020	2,268,147.41	2,099,991.23	4,368,138.63	7,616,728.64	3,951,614.81	2,399,698.00
21	Kalimantan Tengah	2010	1,941,494.89	1,035,875.39	2,977,370.28	2,113,136.76	778,800.62	986,590.00
		2011	1,772,592.85	1,254,914.62	3,027,507.47	2,580,486.76	977,058.99	1,134,580.00
		2012	2,108,538.19	1,331,207.22	3,439,745.40	2,840,029.88	1,050,036.92	1,327,459.00
		2013	2,432,796.66	1,880,808.16	4,313,604.81	3,299,064.70	1,567,756.64	1,553,127.00
		2014	2,897,190.56	1,621,130.74	4,518,321.30	3,717,012.49	1,551,614.56	1,723,970.00
		2015	3,456,873.43	1,692,565.57	5,149,438.99	4,510,335.12	1,946,200.46	1,896,367.00
		2016	4,591,661.82	1,427,451.35	6,019,113.17	4,531,562.43	2,143,802.30	2,057,558.00
		2017	4,204,070.59	1,377,157.38	5,581,227.97	5,126,709.56	2,311,323.80	2,227,307.00
		2018	3,838,048.13	1,456,237.70	5,294,285.84	5,143,963.79	2,685,122.63	2,421,305.00
		2019	3,786,816.86	1,509,499.46	5,296,316.31	5,641,874.44	2,933,881.87	2,663,435.00
		2020	2,725,189.24	1,062,943.73	3,788,132.97	5,551,642.58	3,326,976.10	2,903,144.00
22	Kalimantan Selatan	2010	1,683,328.06	937,377.64	2,620,705.70	2,980,037.58	1,296,872.54	1,024,500.00
		2011	1,607,365.44	1,039,437.29	2,646,802.73	3,454,490.52	1,306,434.80	1,126,000.00
		2012	2,317,260.30	1,068,561.84	3,385,822.14	3,821,173.68	1,547,940.33	1,225,000.00
		2013	2,500,963.14	1,617,602.66	4,118,565.80	4,164,057.40	2,403,338.72	1,337,500.00
		2014	3,737,023.35	1,574,633.82	5,311,657.17	4,686,240.43	2,670,612.50	1,620,000.00
		2015	3,563,710.60	1,669,999.70	5,233,710.30	5,906,576.48	3,151,445.29	1,870,000.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2016	4,718,291.77	1,412,274.34	6,130,566.12	6,005,298.41	3,355,943.59	2,085,050.00
		2017	3,202,697.85	1,480,132.80	4,682,830.65	6,715,589.00	3,962,117.60	2,258,000.00
		2018	3,007,734.11	1,578,670.66	4,586,404.76	5,832,928.61	3,957,046.56	2,454,671.00
		2019	3,965,298.61	1,629,016.70	5,594,315.31	6,366,954.52	4,388,680.02	2,651,781.00
		2020	2,855,507.67	1,276,003.14	4,131,510.81	6,134,322.05	4,700,036.89	2,877,447.00
23	Kalimantan Timur	2010	4,720,057.33	2,350,596.82	7,070,654.15	3,478,799.46	2,094,754.48	1,002,000.00
		2011	5,243,973.49	2,543,733.56	7,787,707.06	3,893,944.13	2,189,715.15	1,084,000.00
		2012	7,196,153.35	3,495,399.28	10,691,552.63	4,514,159.15	2,550,436.36	1,177,000.00
		2013	7,762,055.26	4,694,719.10	12,456,774.36	7,183,596.52	4,245,723.58	1,752,073.00
		2014	9,555,808.06	2,761,651.00	12,317,459.06	6,618,062.64	3,198,824.58	1,886,315.00
		2015	9,101,793.04	2,982,408.22	12,084,201.25	7,350,771.19	4,105,618.01	2,026,126.00
		2016	5,755,669.83	2,473,443.54	8,229,113.37	7,481,102.76	3,888,222.68	2,161,253.00
		2017	5,875,897.08	1,974,489.61	7,850,386.69	6,018,644.33	3,485,340.37	2,339,556.00
		2018	5,882,863.73	2,008,420.95	7,891,284.68	6,073,580.88	3,618,930.74	2,543,331.00
		2019	7,782,198.94	2,499,009.54	10,281,208.48	7,524,386.86	4,246,027.55	2,747,561.00
		2020	6,531,080.51	2,483,877.56	9,014,958.08	7,003,102.03	4,599,163.61	2,981,378.00
24	Sulawesi Utara	2010	1,153,205.68	636,501.23	1,789,706.91	1,880,551.96	593,915.47	1,000,000.00
		2011	1,343,932.70	842,376.63	2,186,309.33	2,648,882.57	763,433.86	1,050,000.00
		2012	1,219,654.80	905,702.69	2,125,357.49	2,762,051.81	717,317.25	1,250,000.00
		2013	1,505,293.59	933,618.69	2,438,912.28	2,453,613.56	1,133,882.43	1,550,000.00
		2014	1,716,948.34	1,125,216.87	2,842,165.21	3,001,506.41	1,133,600.65	1,900,000.00
		2015	2,149,536.31	1,144,609.00	3,294,145.31	3,598,006.37	1,486,802.21	2,150,000.00
		2016	2,718,087.00	1,176,258.25	3,894,345.25	3,878,750.64	1,621,230.43	2,400,000.00
		2017	2,881,450.88	1,108,980.90	3,990,431.78	4,133,569.84	1,883,925.13	2,598,000.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2018	2,300,223.98	1,066,629.43	3,366,853.41	4,241,961.97	2,268,892.21	2,824,286.00
		2019	1,880,259.72	1,081,025.62	2,961,285.34	4,489,515.57	2,663,694.12	3,051,076.00
		2020	1,474,226.90	799,356.35	2,273,583.25	4,276,506.46	3,135,293.13	3,310,723.00
25	Sulawesi Tengah	2010	912,338.10	766,214.56	1,678,552.66	1,998,847.55	766,917.70	777,500.00
		2011	938,623.11	883,392.50	1,822,015.61	2,290,266.29	983,831.94	827,500.00
		2012	1,057,646.60	1,087,708.53	2,145,355.12	2,768,954.86	975,733.00	885,000.00
		2013	1,265,284.06	1,278,901.17	2,544,185.23	2,668,868.97	1,445,689.52	995,000.00
		2014	1,389,510.10	1,537,842.41	2,927,352.52	3,209,021.87	1,557,403.92	1,250,000.00
		2015	1,934,147.19	1,626,754.16	3,560,901.35	4,075,457.23	2,080,687.00	1,500,000.00
		2016	2,427,741.30	1,781,739.66	4,209,480.96	3,818,107.59	2,448,100.63	1,670,000.00
		2017	2,314,725.86	1,630,727.21	3,945,453.07	4,868,068.56	2,685,347.41	1,807,775.00
		2018	2,297,040.29	1,591,788.52	3,888,828.82	4,882,484.41	2,836,167.26	1,965,232.00
		2019	2,490,090.81	1,725,385.23	4,215,476.04	5,259,565.09	3,556,038.80	2,123,040.00
		2020	1,817,584.91	1,244,503.20	3,062,088.11	5,510,597.71	3,651,080.00	2,303,710.00
26	Sulawesi Selatan	2010	1,888,763.40	1,359,649.43	3,248,412.83	4,750,416.49	2,048,009.46	1,000,000.00
		2011	2,473,661.21	1,563,251.33	4,036,912.55	6,312,355.57	2,386,349.48	1,100,000.00
		2012	2,278,041.54	1,877,801.00	4,155,842.54	7,370,912.70	2,722,804.76	1,200,000.00
		2013	3,101,994.32	2,154,335.76	5,256,330.09	6,852,674.65	3,538,499.02	1,440,000.00
		2014	3,592,781.58	2,482,838.32	6,075,619.90	9,064,459.83	3,851,300.87	1,800,000.00
		2015	4,383,867.98	2,705,410.30	7,089,278.28	10,273,832.23	4,829,038.35	2,000,000.00
		2016	5,230,937.23	2,450,782.05	7,681,719.28	10,427,997.17	5,711,232.45	2,250,000.00
		2017	5,825,393.61	2,835,437.78	8,660,831.39	12,060,424.60	6,039,718.74	2,435,625.00
		2018	5,368,876.74	2,553,458.25	7,922,334.98	12,386,915.15	6,721,584.03	2,647,767.00
		2019	5,072,193.61	2,525,831.32	7,598,024.93	13,111,942.94	7,190,078.15	2,860,382.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2020	4,302,967.74	2,012,626.71	6,315,594.45	12,959,037.94	7,597,410.54	3,103,800.00
27	Sulawesi Tenggara	2010	911,628.57	716,847.72	1,628,476.28	1,654,663.79	626,667.13	860,000.00
		2011	922,955.79	813,801.97	1,736,757.76	2,320,391.31	758,314.11	930,000.00
		2012	956,786.37	971,611.62	1,928,397.99	2,342,329.17	900,518.78	1,032,300.00
		2013	1,276,728.82	1,109,440.93	2,386,169.75	2,503,450.90	1,217,052.04	1,125,207.00
		2014	1,656,069.38	1,403,606.22	3,059,675.60	3,347,454.85	1,206,644.67	1,400,000.00
		2015	2,111,404.16	1,386,458.79	3,497,862.96	3,641,275.95	1,642,498.24	1,652,000.00
		2016	2,828,876.61	1,398,955.05	4,227,831.66	3,644,057.79	1,943,270.61	1,850,000.00
		2017	2,963,726.66	1,415,465.79	4,379,192.45	4,470,596.87	2,026,322.93	2,002,625.00
		2018	2,579,760.60	1,451,152.27	4,030,912.86	4,607,671.86	2,389,871.87	2,177,052.00
		2019	2,829,951.66	1,507,211.85	4,337,163.51	5,219,114.12	2,759,300.66	2,351,870.00
		2020	2,044,866.50	1,170,705.17	3,215,571.67	5,195,700.61	3,191,322.74	2,552,014.00
28	Gorontalo	2010	396,395.36	300,079.81	696,475.17	779,537.20	301,325.18	710,000.00
		2011	414,008.78	346,395.25	760,404.03	1,129,268.30	425,957.96	762,500.00
		2012	413,352.83	422,085.32	835,438.15	1,163,303.51	409,429.37	837,500.00
		2013	503,592.56	503,068.85	1,006,661.41	1,133,827.14	646,851.66	1,175,000.00
		2014	652,825.59	567,109.05	1,219,934.63	1,340,292.86	606,002.76	1,325,000.00
		2015	716,838.68	595,629.61	1,312,468.29	1,635,455.93	856,524.59	1,600,000.00
		2016	824,707.11	638,357.06	1,463,064.17	1,543,194.20	1,128,730.08	1,875,000.00
		2017	804,963.09	599,799.98	1,404,763.07	1,917,398.71	1,143,175.03	2,030,000.00
		2018	935,845.47	619,650.34	1,555,495.81	1,936,047.30	1,209,451.28	2,206,813.00
		2019	818,135.91	663,106.12	1,481,242.03	2,104,092.48	1,400,708.46	2,384,020.00
		2020	478,621.84	507,427.40	986,049.24	2,115,970.43	1,462,545.03	2,586,900.00
29		2010	309,937.29	289,122.00	599,059.29	760,103.37	289,720.89	944,200.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
	Sulawesi Barat	2011	360,313.19	354,731.00	715,044.19	959,807.71	290,870.44	1,006,000.00
		2012	359,070.54	433,362.54	792,433.08	1,059,049.60	336,009.35	1,127,000.00
		2013	519,706.06	475,531.59	995,237.65	1,004,742.32	515,273.65	1,165,000.00
		2014	566,762.25	521,410.00	1,088,172.25	1,148,309.12	523,544.14	1,400,000.00
		2015	895,627.16	642,231.06	1,537,858.22	1,512,553.56	763,924.75	1,655,500.00
		2016	1,160,998.91	721,583.06	1,882,581.97	1,582,870.12	949,406.53	1,864,000.00
		2017	1,233,010.22	596,220.89	1,829,231.12	1,679,854.19	1,028,230.57	2,017,780.00
		2018	1,102,704.57	569,203.52	1,671,908.09	1,715,667.18	1,085,022.07	2,193,530.00
		2019	1,015,039.12	587,413.11	1,602,452.23	2,040,587.62	1,230,807.85	2,369,670.00
		2020	652,625.42	406,066.94	1,058,692.36	2,470,180.20	1,344,057.28	2,571,328.00
30	Maluku	2010	971,801.04	531,633.87	1,503,434.92	1,351,571.89	465,656.77	840,000.00
		2011	973,567.76	600,258.80	1,573,826.55	1,569,355.76	541,409.87	900,000.00
		2012	953,540.87	700,897.91	1,654,438.78	1,560,314.80	671,575.67	975,000.00
		2013	1,091,548.21	780,611.80	1,872,160.01	1,677,274.94	803,663.10	1,275,000.00
		2014	1,209,405.73	844,917.88	2,054,323.60	1,899,031.94	807,301.27	1,415,000.00
		2015	1,727,386.78	1,032,962.21	2,760,348.99	2,633,399.63	1,165,011.88	1,650,000.00
		2016	2,244,674.58	1,027,624.21	3,272,298.80	2,569,516.14	1,262,657.08	1,775,000.00
		2017	2,129,633.78	1,137,483.15	3,267,116.93	3,480,889.35	1,516,696.66	1,925,000.00
		2018	2,143,953.60	1,020,828.66	3,164,782.26	3,718,281.68	1,803,501.78	2,222,220.00
		2019	1,909,026.19	1,021,727.61	2,930,753.79	3,470,870.72	1,822,999.35	2,400,664.00
2020	1,352,251.42	715,950.68	2,068,202.11	3,823,145.88	1,880,644.85	2,604,960.00		
31	Maluku Utara	2010	587,785.89	432,150.38	1,019,936.28	693,713.51	439,002.67	847,000.00
		2011	763,909.02	523,504.31	1,287,413.33	827,484.97	524,581.82	889,350.00
		2012	912,975.08	710,911.37	1,623,886.45	863,349.71	543,845.58	960,498.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2013	976,902.53	757,660.12	1,734,562.65	1,163,346.88	759,828.31	1,200,622.00
		2014	1,065,885.99	783,315.06	1,849,201.05	1,305,606.30	732,425.99	1,440,746.00
		2015	1,395,481.01	902,870.17	2,298,351.18	1,601,313.72	1,014,578.96	1,577,617.00
		2016	1,691,294.37	972,747.80	2,664,042.17	1,605,880.19	1,037,457.78	1,681,266.00
		2017	1,838,868.75	891,551.93	2,730,420.69	2,106,902.91	1,180,082.27	1,975,152.00
		2018	1,766,938.85	871,898.46	2,638,837.32	2,229,969.10	1,424,016.11	2,320,803.00
		2019	1,969,705.41	939,636.47	2,909,341.88	2,518,272.64	1,766,567.14	2,508,092.00
		2020	1,568,361.33	770,005.46	2,338,366.79	2,460,218.43	1,830,374.25	2,721,530.00
32	Papua Barat	2010	1,638,714.04	974,234.87	2,612,948.91	1,055,607.62	643,379.74	1,210,000.00
		2011	1,498,952.24	1,116,128.76	2,615,080.99	1,262,024.24	712,267.16	1,410,000.00
		2012	1,965,127.67	1,276,215.90	3,241,343.57	1,341,249.27	840,609.22	1,450,000.00
		2013	2,141,217.74	1,437,390.65	3,578,608.39	1,626,656.18	1,066,110.68	1,720,000.00
		2014	2,696,563.79	1,804,357.89	4,500,921.68	1,732,921.17	1,084,912.26	1,870,000.00
		2015	3,614,668.63	1,976,006.09	5,590,674.73	2,399,912.66	1,522,320.77	2,015,000.00
		2016	4,482,893.50	1,246,679.51	5,729,573.01	2,246,049.68	1,693,304.51	2,237,000.00
		2017	3,504,357.82	1,660,037.43	5,164,395.25	2,550,449.37	1,586,350.06	2,421,500.00
		2018	4,108,611.96	1,662,203.67	5,770,815.63	2,857,641.85	1,815,715.63	2,667,000.00
		2019	4,885,037.24	2,065,443.55	6,950,480.79	3,092,092.93	2,291,709.65	2,934,500.00
		2020	4,466,395.13	1,482,260.30	5,948,655.43	3,247,862.53	2,334,112.88	3,134,600.00
33	Provinsi Papua	2010	3,217,389.46	2,291,587.66	5,508,977.12	2,536,843.57	2,014,861.82	1,316,500.00
		2011	3,624,775.48	2,596,745.64	6,221,521.12	3,000,058.83	2,236,303.78	1,403,000.00
		2012	3,819,593.43	2,811,065.44	6,630,658.87	3,239,560.59	2,387,796.30	1,585,000.00
		2013	3,967,368.06	3,245,888.53	7,213,256.59	4,065,026.99	3,071,309.80	1,710,000.00
		2014	5,259,012.58	3,949,174.66	9,208,187.23	4,956,647.08	3,574,809.50	2,040,000.00

No	Provinsi	Tahun	Belanja Fasilitas Umum dan Perumahan (Juta/Rupiah)	Belanja Ekonomi (Juta/Rupiah)	Belanja Infrastruktur (Juta/Rupiah)	Belanja Pendidikan (Juta/Rupiah)	Belanja Kesehatan (Juta/Rupiah)	UMP (Rupiah)
		2015	6,189,903.98	4,243,551.05	10,433,455.03	5,965,925.02	4,407,100.63	2,193,000.00
		2016	7,063,743.46	3,955,044.74	11,018,788.19	5,510,182.14	4,533,813.84	2,435,000.00
		2017	6,544,353.74	3,742,304.62	10,286,658.36	6,927,169.16	4,666,421.34	2,663,646.00
		2018	5,651,396.28	3,808,685.53	9,460,081.81	7,017,554.80	5,885,157.31	2,895,650.00
		2019	5,738,931.51	3,506,241.70	9,245,173.22	8,002,516.42	5,789,391.90	3,240,900.00
		2020	3,686,758.72	2,997,304.68	6,684,063.41	7,855,527.66	5,866,412.46	3,516,700.00

Sumber: <https://djpk.kemenkeu.go.id/> dan BPS, Tahun 2021

Lampiran 5. Perkembangan PDRB ADHK, Pertumbuhan Ekonomi, Penduduk Bekerja, Penyerapan Tenaga Kerja 33 Provinsi di Indonesia Tahun 2010 – 2020

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
1	Aceh	2010	101,545,000.00	2.74	1,776,254.00	91.63
		2011	104,874,211.16	3.28	1,790,369.00	91.00
		2012	108,914,897.62	3.85	1,808,357.00	90.94
		2013	111,755,826.56	2.61	1,842,671.00	89.88
		2014	113,490,359.26	1.55	1,931,823.00	90.98
		2015	112,665,532.27	(0.73)	1,966,018.00	90.07
		2016	116,374,299.89	3.29	2,087,045.00	92.43
		2017	121,240,978.72	4.18	2,138,512.00	93.43
		2018	126,824,365.20	4.61	2,243,677.00	93.66
		2019	132,087,576.36	4.15	2,256,736.00	93.83
		2020	131,598,852.32	(0.37)	2,359,905.00	93.41
2	Sumatera Utara	2010	331,085,000.00	6.42	6,125,571.00	92.57
		2011	353,147,591.20	6.66	5,532,968.00	91.82
		2012	375,924,139.45	6.45	5,880,885.00	93.72
		2013	398,727,142.80	6.07	6,081,301.00	93.55
		2014	419,573,308.67	5.23	5,881,371.00	93.77
		2015	440,955,852.47	5.10	5,962,304.00	93.29
		2016	463,775,464.86	5.18	5,991,229.00	94.16
		2017	487,531,231.86	5.12	6,365,989.00	94.40
		2018	512,785,349.67	5.18	7,039,491.00	94.45
		2019	539,552,744.92	5.22	7,012,518.00	94.61
		2020	533,779,530.55	(1.07)	6,842,252.00	93.09
3	Sumatera Barat	2010	105,018,000.00	5.94	2,041,454.00	93.05
		2011	111,679,492.97	6.34	2,051,696.00	91.98
		2012	118,724,424.67	6.31	2,085,483.00	93.35
		2013	125,940,634.27	6.08	2,061,109.00	92.98
		2014	133,340,836.44	5.88	2,180,336.00	93.50
		2015	140,719,474.19	5.53	2,184,599.00	93.11
		2016	148,134,243.89	5.27	2,347,911.00	94.91
		2017	155,984,364.13	5.30	2,344,972.00	94.42
		2018	163,996,189.04	5.16	2,480,405.00	94.34
		2019	172,213,791.39	5.05	2,540,040.00	94.62
		2020	169,458,370.73	(1.60)	2,581,524.00	93.12

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
4	Riau	2010	388,578,000.00	4.21	2,170,247.00	91.28
		2011	410,216,000.00	5.57	2,311,171.00	93.91
		2012	425,626,000.00	3.76	2,399,851.00	95.63
		2013	436,188,000.00	2.48	2,479,493.00	94.52
		2014	447,987,000.00	2.71	2,518,485.00	93.44
		2015	448,992,000.00	0.22	2,554,296.00	92.17
		2016	458,769,000.00	2.18	2,765,946.00	92.57
		2017	470,984,000.00	2.66	2,781,021.00	93.78
		2018	482,158,000.00	2.37	2,890,286.00	94.02
		2019	495,846,000.00	2.84	2,953,151.00	94.24
		2020	490,292,524.80	(1.12)	3,022,988.00	93.68
5	Jambi	2010	90,618,000.00	7.35	1,462,405.00	94.61
		2011	97,741,000.00	7.86	1,393,554.00	95.37
		2012	104,615,000.00	7.03	1,436,527.00	96.80
		2013	111,766,000.00	6.84	1,397,247.00	95.24
		2014	119,991,000.00	7.36	1,491,038.00	94.92
		2015	125,037,000.00	4.21	1,550,403.00	95.66
		2016	130,501,000.00	4.37	1,624,522.00	96.00
		2017	136,502,000.00	4.60	1,657,817.00	96.13
		2018	142,968,000.00	4.74	1,724,899.00	96.27
		2019	149,265,000.00	4.40	1,683,575.00	95.94
		2020	148,578,381.00	(0.46)	1,739,003.00	94.87
6	Sumatera Selatan	2010	194,013,000.00	5.63	3,421,193.00	93.35
		2011	206,361,000.00	6.36	3,417,374.00	93.40
		2012	220,459,000.00	6.83	3,582,099.00	94.34
		2013	232,175,000.00	5.31	3,524,883.00	95.16
		2014	243,298,000.00	4.79	3,692,806.00	95.04
		2015	254,045,000.00	4.42	3,695,866.00	93.93
		2016	266,857,000.00	5.04	3,998,637.00	95.69
		2017	281,571,000.00	5.51	3,942,534.00	95.61
		2018	298,570,000.00	6.04	4,005,578.00	95.73
		2019	315,623,000.00	5.71	4,012,611.00	95.47
		2020	315,275,814.70	(0.11)	4,091,383.00	94.49
7	Bengkulu	2010	28,353,000.00	6.10	815,741.00	95.41
		2011	30,295,054.20	6.85	837,674.00	96.54
		2012	32,363,037.83	6.83	853,784.00	96.38

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
		2013	34,326,371.68	6.07	832,048.00	95.39
		2014	36,207,145.91	5.48	868,794.00	96.53
		2015	38,066,005.72	5.13	904,317.00	95.09
		2016	40,076,543.83	5.28	964,971.00	96.70
		2017	42,073,515.59	4.98	932,976.00	96.26
		2018	44,171,161.19	4.99	987,914.00	96.65
		2019	46,345,454.00	4.96	1,002,161.00	96.74
		2020	46,338,436.00	(0.02)	1,031,881.00	95.93
8	Lampung	2010	150,561,000.00	5.88	3,737,078.00	94.43
		2011	160,437,501.38	6.56	3,368,486.00	93.62
		2012	170,769,206.61	6.44	3,516,856.00	94.80
		2013	180,620,007.69	5.77	3,471,602.00	94.31
		2014	189,797,490.92	5.08	3,673,158.00	95.21
		2015	199,536,916.61	5.13	3,635,258.00	94.86
		2016	209,793,728.29	5.14	3,931,321.00	95.38
		2017	220,626,096.76	5.16	3,896,230.00	95.67
		2018	232,165,986.99	5.25	4,163,776.00	95.96
		2019	244,380,371.81	5.27	4,186,197.00	95.97
		2020	240,306,857.37	(1.67)	4,280,109.00	95.33
9	Kepulauan Bangka Belitung	2010	35,562,000.00	5.99	585,136.00	94.37
		2011	37,637,146.95	6.90	555,258.00	96.14
		2012	39,732,922.94	5.50	585,493.00	96.57
		2013	41,802,516.21	5.20	597,613.00	96.35
		2014	43,750,947.76	4.67	604,223.00	94.86
		2015	45,547,978.64	4.08	623,949.00	93.71
		2016	47,429,260.65	4.10	686,830.00	97.40
		2017	49,985,153.67	4.47	672,618.00	96.22
		2018	52,208,035.50	4.46	692,646.00	96.39
		2019	53,940,422.23	3.32	701,958.00	96.42
		2020	52,702,457.85	(2.30)	699,881.00	94.75
10	Kepulauan Riau	2010	111,224,000.00	7.19	769,486.00	93.10
		2011	118,961,423.26	6.96	763,349.00	94.62
		2012	128,034,968.02	7.63	801,510.00	94.92
		2013	137,263,851.23	7.21	806,073.00	94.37
		2014	146,325,234.58	6.60	819,656.00	93.31
		2015	155,131,351.00	6.02	836,670.00	93.80

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
		2016	162,853,038.99	4.98	859,813.00	92.31
		2017	166,081,675.71	1.98	896,931.00	92.84
		2018	173,498,751.40	4.58	938,000.00	91.96
		2019	181,895,864.00	4.89	988,817.00	92.50
		2020	174,976,703.10	(3.80)	1,016,600.00	89.66
11	DKI Jakarta	2010	1,075,183,000.00	6.50	4,689,761.00	88.95
		2011	1,147,558,226.41	6.73	4,528,589.00	88.31
		2012	1,222,527,924.89	6.53	4,823,858.00	90.33
		2013	1,296,694,573.47	6.07	4,668,239.00	91.37
		2014	1,373,389,129.11	5.91	4,634,369.00	91.53
		2015	1,454,563,847.38	5.91	4,724,029.00	92.77
		2016	1,539,916,881.03	5.87	4,861,832.00	93.88
		2017	1,635,359,147.34	6.20	4,509,171.00	92.86
		2018	1,735,208,291.06	6.17	4,725,738.00	93.35
		2019	1,836,198,485.83	5.89	4,852,949.00	93.46
2020	1,792,794,592.02	(2.36)	4,659,251.00	89.05		
12	Jawa Barat	2010	906,686,000.00	6.20	16,942,444.00	89.67
		2011	965,622,061.10	6.50	17,407,516.00	90.04
		2012	1,028,409,739.51	6.50	18,615,753.00	90.92
		2013	1,093,543,545.87	6.33	18,731,943.00	90.84
		2014	1,149,216,057.05	5.09	19,230,943.00	91.55
		2015	1,207,232,341.56	5.05	18,791,482.00	91.28
		2016	1,275,619,241.16	5.66	19,202,038.00	91.11
		2017	1,343,864,432.16	5.33	20,551,575.00	91.78
		2018	1,419,689,115.90	5.66	20,936,930.00	91.77
		2019	1,491,705,810.00	5.07	22,063,833.00	91.96
2020	1,455,235,140.00	(2.44)	21,674,854.00	89.54		
13	Jawa Tengah	2010	623,225,000.00	5.84	15,809,447.00	93.79
		2011	656,268,129.91	5.30	15,822,765.00	92.93
		2012	691,343,115.96	5.34	16,531,395.00	94.39
		2013	726,655,118.06	5.11	16,469,960.00	93.99
		2014	764,959,150.95	5.27	16,550,682.00	94.32
		2015	806,765,092.17	5.47	16,435,142.00	95.01
		2016	849,099,354.69	5.25	16,511,136.00	95.37
		2017	893,750,296.17	5.26	17,186,674.00	95.43
2018	941,091,143.86	5.31	17,413,869.00	95.53		

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
		2019	992,004,174.74	5.41	17,602,917.00	95.56
		2020	965,716,064.11	(2.65)	17,536,935.00	93.52
14	Yogyakarta	2010	64,679,000.00	4.88	1,775,148.00	94.31
		2011	68,049,874.40	5.21	1,839,824.00	95.61
		2012	71,702,449.20	5.37	1,906,145.00	96.10
		2013	75,627,449.60	5.47	1,886,071.00	96.76
		2014	79,536,081.80	5.17	1,956,043.00	96.67
		2015	83,474,451.50	4.95	1,891,218.00	95.93
		2016	87,685,809.60	5.05	2,042,400.00	97.28
		2017	92,300,243.90	5.26	2,053,168.00	96.98
		2018	98,024,014.30	6.20	2,151,252.00	96.63
		2019	104,487,543.80	6.60	2,174,712.00	96.82
		2020	101,679,600.20	(2.69)	2,126,316.00	95.43
15	Jawa Timur	2010	990,649,000.00	6.68	18,698,108.00	95.75
		2011	1,054,402,000.00	6.44	18,463,606.00	94.62
		2012	1,124,465,000.00	6.64	19,338,902.00	95.89
		2013	1,192,790,000.00	6.08	19,553,910.00	95.70
		2014	1,262,684,000.00	5.86	19,306,508.00	95.81
		2015	1,331,376,000.00	5.44	19,367,777.00	95.53
		2016	1,405,564,000.00	5.57	19,114,563.00	95.79
		2017	1,482,300,000.00	5.46	20,099,220.00	96.00
		2018	1,563,769,000.00	5.50	20,832,201.00	96.09
		2019	1,650,143,000.00	5.52	21,032,612.00	96.18
2020	1,610,704,582.30	(2.39)	20,962,967.00	94.16		
16	Banten	2010	271,465,000.00	6.11	4,583,085.00	86.32
		2011	290,546,000.00	7.03	4,376,110.00	86.26
		2012	310,386,000.00	6.83	4,662,368.00	90.06
		2013	331,099,000.00	6.67	4,687,626.00	90.46
		2014	349,351,000.00	5.51	4,853,992.00	90.93
		2015	368,377,000.00	5.45	4,825,460.00	90.45
		2016	387,835,000.00	5.28	5,088,497.00	91.08
		2017	410,137,000.00	5.75	5,077,400.00	90.72
		2018	434,015,000.00	5.82	5,351,110.00	91.53
		2019	458,023,000.00	5.53	5,552,454.00	91.89
2020	442,541,822.60	(3.38)	5,552,172.00	89.36		
17	Bali	2010	93,749,000.00	5.83	2,177,358.00	96.94

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
		2011	99,991,631.93	6.66	2,159,158.00	97.05
		2012	106,951,464.95	6.96	2,252,475.00	97.90
		2013	114,103,580.75	6.69	2,242,076.00	98.17
		2014	121,787,574.72	6.73	2,272,632.00	98.10
		2015	129,126,562.21	6.03	2,324,805.00	98.01
		2016	137,296,445.22	6.33	2,416,555.00	98.11
		2017	144,933,312.01	5.56	2,398,307.00	98.52
		2018	154,072,662.61	6.31	2,525,707.00	98.60
		2019	162,694,325.00	5.60	2,469,006.00	98.43
		2020	147,549,798.09	(9.31)	2,423,419.00	94.37
18	Nusa Tenggara Barat	2010	70,123,000.00	6.35	2,132,933.00	94.71
		2011	67,379,140.58	(3.91)	1,974,093.00	94.75
		2012	66,340,812.44	(1.54)	2,015,699.00	94.77
		2013	69,766,714.41	5.16	2,032,282.00	94.70
		2014	73,372,963.80	5.17	2,094,100.00	94.25
		2015	89,337,985.80	21.76	2,127,503.00	94.31
		2016	94,524,289.85	5.81	2,367,310.00	96.06
		2017	94,608,209.35	0.09	2,316,720.00	96.68
		2018	90,349,129.08	(4.50)	2,269,580.00	96.42
		2019	93,869,731.82	3.90	2,522,114.00	96.72
2020	93,269,133.91	(0.64)	2,575,956.00	95.78		
19	Nusa Tenggara Timur	2010	43,847,000.00	5.25	2,061,229.00	96.66
		2011	46,334,127.50	5.67	2,032,237.00	96.89
		2012	48,863,187.50	5.46	2,120,249.00	96.96
		2013	51,505,188.60	5.41	2,104,507.00	96.75
		2014	54,107,974.20	5.05	2,174,228.00	96.74
		2015	56,770,793.30	4.92	2,219,291.00	96.17
		2016	59,678,012.40	5.12	2,277,068.00	96.75
		2017	62,725,410.47	5.11	2,320,061.00	96.73
		2018	65,943,224.03	5.11	2,630,879.00	97.15
		2019	69,372,271.68	5.24	2,615,039.00	96.86
2020	68,806,665.28	(0.83)	2,725,955.00	95.72		
20	Kalimantan Barat	2010	86,066,000.00	5.47	2,095,705.00	95.38
		2011	90,797,590.93	5.50	2,158,251.00	95.40
		2012	96,161,928.39	5.91	2,196,455.00	96.46
		2013	101,980,339.36	6.05	2,172,337.00	96.01

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
		2014	107,114,962.94	5.03	2,226,510.00	95.96
		2015	112,346,755.19	4.88	2,235,887.00	94.85
		2016	118,193,431.56	5.20	2,287,823.00	95.77
		2017	124,289,172.16	5.17	2,303,198.00	95.64
		2018	130,596,320.54	5.07	2,423,570.00	95.82
		2019	137,243,088.15	5.09	2,445,078.00	95.65
		2020	134,743,381.07	(1.82)	2,458,296.00	94.19
21	Kalimantan Tengah	2010	56,531,000.00	6.50	1,022,580.00	95.86
		2011	60,492,928.40	7.01	1,079,036.00	96.46
		2012	64,649,165.30	6.87	1,112,252.00	96.86
		2013	69,410,986.40	7.37	1,124,017.00	97.00
		2014	73,724,522.70	6.21	1,154,489.00	96.76
		2015	78,890,968.30	7.01	1,214,681.00	95.46
		2016	83,900,239.40	6.35	1,248,189.00	95.18
		2017	89,544,898.30	6.73	1,222,707.00	95.77
		2018	94,566,247.90	5.61	1,302,363.00	96.09
		2019	100,391,528.77	6.12	1,318,954.00	95.96
		2020	98,986,047.37	(1.40)	1,318,133.00	95.42
22	Kalimantan Selatan	2010	85,305,000.00	5.59	1,743,622.00	94.75
		2011	91,252,128.92	6.97	1,776,088.00	93.71
		2012	96,697,838.67	5.97	1,833,892.00	94.81
		2013	101,850,536.36	5.33	1,830,813.00	96.34
		2014	106,779,397.64	4.84	1,867,462.00	96.20
		2015	110,863,116.51	3.82	1,889,502.00	95.08
		2016	115,743,572.76	4.40	1,965,088.00	94.55
		2017	121,858,523.39	5.28	1,975,161.00	95.23
		2018	128,052,577.95	5.08	2,039,048.00	95.65
		2019	133,271,551.61	4.08	2,045,831.00	95.82
		2020	130,865,594.99	(1.81)	2,083,319.00	95.26
23	Kalimantan Timur	2010	418,212,000.00	5.10	1,481,898.00	89.90
		2011	407,435,383.39	6.47	1,521,316.00	88.57
		2012	428,877,710.64	5.48	1,607,526.00	90.98
		2013	438,532,906.74	2.76	1,603,915.00	92.05
		2014	446,029,048.84	1.71	1,677,466.00	92.62
		2015	440,676,356.22	(1.20)	1,423,957.00	92.50
		2016	439,003,832.39	(0.38)	1,581,239.00	92.05

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
		2017	452,741,908.18	3.13	1,540,675.00	93.09
		2018	464,694,426.73	2.64	1,620,969.00	93.59
		2019	486,712,236.86	4.74	1,693,481.00	94.06
		2020	472,864,886.33	(2.85)	1,692,796.00	93.13
24	Sulawesi Utara	2010	51,721,000.00	7.16	936,939.00	90.39
		2011	56,833,828.65	6.17	953,546.00	89.90
		2012	62,249,529.25	6.86	973,035.00	92.02
		2013	68,219,319.06	6.38	965,457.00	93.21
		2014	71,677,530.84	6.31	980,756.00	92.46
		2015	82,787,201.82	6.12	1,000,032.00	90.97
		2016	91,014,564.88	6.16	1,110,564.00	93.82
		2017	97,474,859.10	6.31	1,040,826.00	92.82
		2018	103,596,280.25	6.01	1,114,516.00	93.39
		2019	111,003,414.29	5.66	1,148,987.00	93.99
		2020	116,398,180.22	(0.99)	1,134,802.00	92.63
25	Sulawesi Tengah	2010	51,752,000.00	8.74	1,164,226.00	95.39
		2011	185,708,000.00	9.82	1,211,745.00	93.22
		2012	202,185,000.00	9.53	1,224,095.00	96.05
		2013	217,589,000.00	9.59	1,239,122.00	95.81
		2014	233,988,000.00	5.07	1,293,226.00	96.32
		2015	250,803,000.00	15.50	1,327,418.00	95.90
		2016	269,401,000.00	9.94	1,459,803.00	96.71
		2017	288,814,000.00	7.10	1,374,214.00	96.19
		2018	309,202,000.00	6.28	1,479,962.00	96.63
		2019	330,605,000.00	7.15	1,466,042.00	96.89
		2020	328,290,765.00	4.86	1,516,347.00	96.23
26	Sulawesi Selatan	2010	17,174,100.00	8.19	3,272,365.00	91.63
		2011	53,546,689.52	8.13	3,326,880.00	91.87
		2012	59,785,399.06	8.87	3,421,101.00	93.99
		2013	64,268,714.31	7.62	3,376,549.00	94.90
		2014	68,290,558.44	7.54	3,527,036.00	94.92
		2015	72,993,327.94	7.19	3,485,492.00	94.05
		2016	77,745,512.42	7.42	3,694,712.00	95.20
		2017	83,001,687.01	7.21	3,598,663.00	94.39
		2018	88,310,047.92	7.06	4,006,309.00	95.06
		2019	94,053,386.68	6.92	4,058,595.00	95.38

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
		2020	93,446,717.48	(0.70)	4,006,620.00	93.69
27	Sulawesi Tenggara	2010	48,401,000.00	8.22	997,678.00	95.39
		2011	16,669,000.00	10.63	954,981.00	95.31
		2012	17,987,000.00	11.65	994,521.00	95.86
		2013	19,368,000.00	7.50	997,231.00	95.62
		2014	20,776,000.00	6.26	1,037,419.00	95.57
		2015	22,069,000.00	6.88	1,074,916.00	94.45
		2016	23,507,000.00	6.51	1,219,548.00	97.28
		2017	25,090,000.00	6.76	1,160,974.00	96.70
		2018	26,721,000.00	6.42	1,254,215.00	96.81
		2019	28,433,000.00	6.51	1,262,634.00	96.48
		2020	28,427,313.40	(0.65)	1,289,232.00	95.42
28	Gorontalo	2010	15,476,000.00	7.63	432,926.00	94.84
		2011	19,027,504.49	7.71	445,242.00	93.26
		2012	20,786,885.76	7.91	455,322.00	95.53
		2013	22,227,392.55	7.67	458,930.00	95.85
		2014	24,195,655.00	7.27	479,137.00	95.82
		2015	25,964,432.14	6.22	493,687.00	95.35
		2016	27,524,767.06	6.52	546,668.00	97.24
		2017	29,282,487.06	6.73	524,316.00	95.72
		2018	31,114,142.71	6.50	569,639.00	96.30
		2019	32,875,203.19	6.41	572,841.00	96.24
		2020	32,079,623.27	(0.02)	568,563.00	95.72
29	Sulawesi Barat	2010	17,184,000.00	11.89	514,867.00	96.75
		2011	19,597,390.14	10.73	537,148.00	96.65
		2012	21,000,078.81	9.25	572,081.00	97.84
		2013	22,100,937.11	6.93	545,438.00	97.65
		2014	23,567,734.26	8.86	595,797.00	97.92
		2015	24,859,055.70	7.31	595,905.00	96.65
		2016	26,291,193.81	6.01	624,182.00	96.67
		2017	27,811,629.60	6.39	595,004.00	96.79
		2018	29,463,640.40	6.25	640,885.00	96.99
		2019	31,049,429.00	5.66	660,481.00	97.02
		2020	30,765,025.00	(2.42)	672,986.00	96.68
30	Maluku	2010	18,429,000.00	6.47	586,430.00	90.03
		2011	16,002,000.00	6.34	618,899.00	89.19

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
		2012	17,120,000.00	7.16	613,357.00	92.29
		2013	18,209,000.00	5.24	602,429.00	90.09
		2014	19,209,000.00	6.64	601,651.00	89.49
		2015	20,380,000.00	5.48	655,063.00	90.07
		2016	21,557,000.00	5.73	690,786.00	92.95
		2017	23,211,000.00	5.82	642,061.00	90.71
		2018	25,050,000.00	5.94	743,897.00	93.05
		2019	26,586,000.00	5.57	758,252.00	93.31
		2020	27,894,031.20	(0.92)	775,701.00	92.43
31	Maluku Utara	2010	14,984,000.00	7.95	411,361.00	93.97
		2011	39,865,563.22	6.80	426,466.00	94.66
		2012	41,041,918.75	6.98	450,184.00	95.18
		2013	43,992,998.64	6.36	454,978.00	96.20
		2014	46,253,894.81	5.49	456,017.00	94.71
		2015	48,006,319.03	6.10	482,543.00	93.95
		2016	50,011,877.79	5.77	503,479.00	95.99
		2017	51,995,688.85	7.67	488,715.00	94.67
		2018	55,191,972.50	7.92	547,424.00	95.37
		2019	56,625,199.62	6.13	551,778.00	95.19
		2020	56,160,711.45	4.92	552,502.00	94.85
32	Papua Barat	2010	41,362,000.00	28.47	316,547.00	92.32
		2011	106,066,723.39	3.64	331,124.00	93.27
		2012	107,890,942.59	3.63	347,559.00	94.58
		2013	117,118,818.90	7.36	359,527.00	95.60
		2014	121,391,233.95	5.38	378,436.00	94.98
		2015	130,311,604.86	4.15	380,226.00	91.92
		2016	142,224,930.67	4.52	402,360.00	92.54
		2017	148,818,289.86	4.02	402,526.00	93.51
		2018	159,711,852.59	6.25	419,948.00	93.55
		2019	134,562,239.59	2.66	436,714.00	93.57
		2020	137,677,571.32	(0.77)	459,350.00	93.20
33	Papua	2010	110,808.00	(3.19)	1,456,545.00	96.45
		2011	106,067.00	(4.28)	1,449,790.00	94.98
		2012	107,891.00	1.72	1,485,799.00	96.29
		2013	117,119.00	8.55	1,559,675.00	96.85
		2014	121,391.00	3.65	1,617,437.00	96.56

No	Provinsi	Tahun	PDRB ADHK 2010 (Juta/Rupiah)	Pertumbuhan Ekonomi	Penduduk Bekerja	Penyerapan Tenaga kerja (Bulan Agustus)
		2015	130,312.00	7.35	1,672,480.00	96.01
		2016	142,225.00	9.14	1,664,485.00	96.65
		2017	148,818.00	4.64	1,699,071.00	96.38
		2018	159,790.00	7.37	1,800,727.00	97.00
		2019	134,678.00	(15.72)	1,792,157.00	96.49
		2020	137,802.53	2.32	1,691,745.00	95.72

Sumber: BPS, Simreg Bappenas, Tahun 2021

Lampiran 6 Data Mentah yang Diolah

X ₁	X ₂	X ₃	X ₄	X ₅	X ₁ X ₅	X ₂ X ₅	X ₃ X ₅	X ₄ X ₅	Y ₁	Y ₂	Y ₃
29.2962	29.0380	28.2969	14.0779	1.0000	29.2962	29.0380	28.2969	14.0779	32.2515	14.3900	69.51
29.3132	29.1880	28.4381	14.1156	1.0000	29.3132	29.1880	28.4381	14.1156	32.2838	14.3979	67.27
29.3723	29.3117	28.5635	14.1520	1.0000	29.3723	29.3117	28.5635	14.1520	32.3216	14.4079	69.08
29.6208	29.4563	28.9074	14.2538	1.0000	29.6208	29.4563	28.9074	14.2538	32.3473	14.4267	69.14
29.8486	29.7058	29.2094	14.3751	1.0000	29.8486	29.7058	29.2094	14.3751	32.3627	14.4740	69.74
29.8781	29.8719	29.2486	14.4574	1.0000	29.8781	29.8719	29.2486	14.4574	32.3554	14.4915	70.76
29.9155	29.7557	29.3654	14.5662	1.0000	29.9155	29.7557	29.3654	14.5662	32.3878	14.5513	70.87
30.0006	29.9511	29.4308	14.7318	1.0000	30.0006	29.9511	29.4308	14.7318	32.4288	14.5756	72.31
29.9696	29.9221	29.4793	14.8153	1.0000	29.9696	29.9221	29.4793	14.8153	32.4738	14.6236	73.15
29.9983	30.0516	29.6257	14.8860	1.0000	29.9983	30.0516	29.6257	14.8860	32.5144	14.6294	72.93
29.5419	29.9800	29.5971	14.9677	1.0000	29.5419	29.9800	29.5971	14.9677	32.5107	14.6741	72.88
29.1430	29.6619	28.3505	13.7799	1.0000	29.1430	29.6619	28.3505	13.7799	33.4334	15.6280	71.63
29.2254	29.8988	28.5864	13.8504	1.0000	29.2254	29.8988	28.5864	13.8504	33.4979	15.5262	68.53
29.5496	29.8734	28.7945	13.9978	1.0000	29.5496	29.8734	28.7945	13.9978	33.5604	15.5872	66.44
29.6957	29.9861	28.9673	14.1340	1.0000	29.6957	29.9861	28.9673	14.1340	33.6193	15.6207	66.95
29.7930	30.1952	28.9900	14.2249	1.0000	29.7930	30.1952	28.9900	14.2249	33.6703	15.5873	66.95
29.8631	30.2804	29.1929	14.3010	1.0000	29.8631	30.2804	29.1929	14.3010	33.7200	15.6010	69.47
29.7583	30.4016	29.3536	14.4099	1.0000	29.7583	30.4016	29.3536	14.4099	33.7704	15.6058	69.10
30.1298	30.4555	29.3805	14.4891	1.0000	30.1298	30.4555	29.3805	14.4891	33.8204	15.6665	70.37
30.0704	30.4495	29.5093	14.5727	1.0000	30.0704	30.4495	29.5093	14.5727	33.8708	15.7670	70.16
30.1022	30.5158	29.5751	14.8665	1.0000	30.1022	30.5158	29.5751	14.8665	33.9217	15.7632	70.83
29.5846	30.5172	29.6073	14.9481	1.0000	29.5846	30.5172	29.6073	14.9481	33.9109	15.7386	71.30
28.4778	29.0153	27.7770	13.7536	1.0000	28.4778	29.0153	27.7770	13.7536	32.2852	14.5292	70.56
28.6152	29.1983	27.8780	13.8691	1.0000	28.6152	29.1983	27.8780	13.8691	32.3466	14.5342	70.00
28.8153	29.3113	28.0258	13.9553	1.0000	28.8153	29.3113	28.0258	13.9553	32.4078	14.5505	68.72

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
29.0622	29.2758	28.3235	14.1156	1.0000	29.0622	29.2758	28.3235	14.1156	32.4668	14.5388	68.63
29.0742	29.3587	28.3847	14.2143	1.0000	29.0742	29.3587	28.3847	14.2143	32.5239	14.5950	69.24
29.1155	29.6347	28.5883	14.2948	1.0000	29.1155	29.6347	28.5883	14.2948	32.5778	14.5969	67.08
29.2579	29.7439	28.7545	14.4037	1.0000	29.2579	29.7439	28.7545	14.4037	32.6291	14.6690	67.90
29.2962	29.7185	28.8017	14.4830	1.0000	29.2962	29.7185	28.8017	14.4830	32.6808	14.6678	70.45
29.2688	29.8525	28.9649	14.5665	1.0000	29.2688	29.8525	28.9649	14.5665	32.7309	14.7239	73.41
29.3468	29.9209	29.0550	14.6437	1.0000	29.3468	29.9209	29.0550	14.6437	32.7798	14.7477	71.69
28.8376	29.8600	29.1022	14.7254	1.0000	28.8376	29.8600	29.1022	14.7254	32.7636	14.7639	72.48
29.2839	29.0975	27.9025	13.8314	1.0000	29.2839	29.0975	27.9025	13.8314	33.5935	14.5904	64.91
29.3631	29.3492	28.1484	13.9288	1.0000	29.3631	29.3492	28.1484	13.9288	33.6477	14.6533	65.49
29.5420	29.4422	28.2213	14.0290	1.0000	29.5420	29.4422	28.2213	14.0290	33.6846	14.6909	64.43
29.6790	29.6367	28.7143	14.1520	1.0000	29.6790	29.6367	28.7143	14.1520	33.7091	14.7236	64.52
29.5343	29.7660	28.6706	14.3461	1.0000	29.5343	29.7660	28.6706	14.3461	33.7358	14.7392	65.40
29.6987	29.8067	28.7938	14.4457	1.0000	29.6987	29.8067	28.7938	14.4457	33.7380	14.7533	65.91
29.6132	29.8204	28.7750	14.5551	1.0000	29.6132	29.8204	28.7750	14.5551	33.7596	14.8329	67.27
29.4830	29.9043	28.8817	14.6338	1.0000	29.4830	29.9043	28.8817	14.6338	33.7858	14.8383	70.99
29.4599	29.8384	28.8990	14.7174	1.0000	29.4599	29.8384	28.8990	14.7174	33.8091	14.8769	71.41
29.4939	29.9258	29.0633	14.7946	1.0000	29.4939	29.9258	29.0633	14.7946	33.8368	14.8984	70.21
29.1160	29.9240	29.1479	14.8763	1.0000	29.1160	29.9240	29.1479	14.8763	33.8255	14.9218	71.87
28.4062	28.3446	27.3894	13.7102	1.0000	28.4062	28.3446	27.3894	13.7102	32.1377	14.1956	64.74
28.5444	28.5509	27.5171	13.8431	1.0000	28.5444	28.5509	27.5171	13.8431	32.2133	14.1474	65.84
28.8406	28.7155	27.5856	13.9487	1.0000	28.8406	28.7155	27.5856	13.9487	32.2813	14.1777	65.50
28.9282	28.8860	28.0297	14.0779	1.0000	28.9282	28.8860	28.0297	14.0779	32.3474	14.1500	65.66
29.0165	28.9830	28.0453	14.2225	1.0000	29.0165	28.9830	28.0453	14.2225	32.4184	14.2150	66.63
28.9968	29.0483	28.1255	14.3520	1.0000	28.9968	29.0483	28.1255	14.3520	32.4596	14.2540	67.06
29.0942	29.1492	28.3051	14.4609	1.0000	29.0942	29.1492	28.3051	14.4609	32.5024	14.3007	68.17

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
29.1079	29.1869	28.2903	14.5401	1.0000	29.1079	29.1869	28.2903	14.5401	32.5474	14.3210	68.70
29.1261	29.2306	28.4314	14.6236	1.0000	29.1261	29.2306	28.4314	14.6236	32.5932	14.3607	70.74
29.2224	29.3127	28.5519	14.7009	1.0000	29.2224	29.3127	28.5519	14.7009	32.6359	14.3364	70.45
28.8635	29.2728	28.6001	14.7826	1.0000	28.8635	29.2728	28.6001	14.7826	32.6313	14.3688	71.19
29.0703	28.9704	28.0501	13.7406	1.0000	29.0703	28.9704	28.0501	13.7406	32.8989	15.0455	67.08
29.3259	29.2347	28.1271	13.8628	1.0000	29.3259	29.2347	28.1271	13.8628	32.9606	15.0444	68.02
29.4805	29.4105	28.2068	13.9938	1.0000	29.4805	29.4105	28.2068	13.9938	33.0267	15.0915	63.40
29.6101	29.5452	28.5999	14.3041	1.0000	29.6101	29.5452	28.5999	14.3041	33.0785	15.0754	64.32
29.8018	29.5433	28.5321	14.4171	1.0000	29.8018	29.5433	28.5321	14.4171	33.1253	15.1219	65.43
29.6086	29.6417	28.6598	14.4957	1.0000	29.6086	29.6417	28.6598	14.4957	33.1685	15.1227	67.86
29.7411	29.7138	28.8014	14.6067	1.0000	29.7411	29.7138	28.8014	14.6067	33.2177	15.2015	67.99
29.6643	29.7711	28.9039	14.6860	1.0000	29.6643	29.7711	28.9039	14.6860	33.2714	15.1873	68.94
29.7356	29.9402	29.0489	14.7695	1.0000	29.7356	29.9402	29.0489	14.7695	33.3297	15.2032	69.07
29.9893	30.0196	29.1545	14.8467	1.0000	29.9893	30.0196	29.1545	14.8467	33.3851	15.2050	67.76
29.7898	30.0209	29.2150	14.9284	1.0000	29.7898	30.0209	29.2150	14.9284	33.3840	15.2244	69.94
27.6968	27.9670	27.0930	13.5670	1.0000	27.6968	27.9670	27.0930	13.5670	30.9758	13.6119	72.11
27.8676	28.1382	27.1663	13.6109	1.0000	27.8676	28.1382	27.1663	13.6109	31.0420	13.6384	72.59
27.9818	28.2927	27.2419	13.7429	1.0000	27.9818	28.2927	27.2419	13.7429	31.1080	13.6574	66.37
28.2352	28.2346	27.5421	13.9978	1.0000	28.2352	28.2346	27.5421	13.9978	31.1669	13.6316	67.51
28.3093	28.4860	27.6242	14.1156	1.0000	28.3093	28.4860	27.6242	14.1156	31.2203	13.6749	67.73
28.4291	28.6418	27.8849	14.2210	1.0000	28.4291	28.6418	27.8849	14.2210	31.2703	13.7149	70.58
28.5185	28.6993	27.9633	14.2886	1.0000	28.5185	28.6993	27.9633	14.2886	31.3218	13.7799	70.09
28.5789	28.6581	28.0860	14.3679	1.0000	28.5789	28.6581	28.0860	14.3679	31.3705	13.7461	70.01
28.5644	28.7911	28.1260	14.4514	1.0000	28.5644	28.7911	28.1260	14.4514	31.4189	13.8034	71.54
28.6992	28.8658	28.2902	14.5285	1.0000	28.6992	28.8658	28.2902	14.5285	31.4671	13.8177	69.45
28.1282	28.8669	28.3423	14.6101	1.0000	28.1282	28.8669	28.3423	14.6101	31.4670	13.8469	71.03

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
28.4631	28.8296	27.5104	13.5509	1.0000	28.4631	28.8296	27.5104	13.5509	32.6454	15.1338	68.86
28.7044	29.2489	27.7690	13.6589	1.0000	28.7044	29.2489	27.7690	13.6589	32.7089	15.0300	69.18
28.8626	29.3633	27.9690	13.7902	1.0000	28.8626	29.3633	27.9690	13.7902	32.7713	15.0731	61.35
29.0238	29.3047	28.2084	13.9553	1.0000	29.0238	29.3047	28.2084	13.9553	32.8274	15.0601	62.79
29.1315	29.4420	28.2679	14.1513	1.0000	29.1315	29.4420	28.2679	14.1513	32.8770	15.1166	63.77
29.2401	29.5939	28.4130	14.2736	1.0000	29.2401	29.5939	28.4130	14.2736	32.9270	15.1062	65.95
29.5144	29.6918	28.5265	14.3825	1.0000	29.5144	29.6918	28.5265	14.3825	32.9771	15.1845	65.74
29.5523	29.8378	28.7073	14.4618	1.0000	29.5523	29.8378	28.7073	14.4618	33.0275	15.1755	66.01
29.5304	29.8471	28.7918	14.5453	1.0000	29.5304	29.8471	28.7918	14.5453	33.0785	15.2419	66.61
29.5965	29.8963	28.8331	14.6223	1.0000	29.5965	29.8963	28.8331	14.6223	33.1297	15.2473	66.30
29.0221	29.8908	29.0523	14.7039	1.0000	29.0221	29.8908	29.0523	14.7039	33.1129	15.2695	69.12
27.6189	27.6074	26.8346	13.7212	1.0000	27.6189	27.6074	26.8346	13.7212	31.2023	13.2796	65.74
27.7417	27.6593	27.0977	13.8392	1.0000	27.7417	27.6593	27.0977	13.8392	31.2690	13.2272	66.18
28.0025	27.7809	27.1380	13.9199	1.0000	28.0025	27.7809	27.1380	13.9199	31.3225	13.2802	64.70
28.1769	27.9811	27.4522	14.0506	1.0000	28.1769	27.9811	27.4522	14.0506	31.3732	13.3007	65.65
28.0587	28.1640	27.4677	14.3102	1.0000	28.0587	28.1640	27.4677	14.3102	31.4188	13.3117	66.16
28.2605	28.2623	27.6746	14.5574	1.0000	28.2605	28.2623	27.6746	14.5574	31.4588	13.3438	69.59
28.1916	28.3619	27.7498	14.6663	1.0000	28.1916	28.3619	27.7498	14.6663	31.4991	13.4398	68.87
28.1893	28.4233	27.7836	14.7456	1.0000	28.1893	28.4233	27.7836	14.7456	31.5427	13.4189	69.45
28.1716	28.4875	27.8975	14.8291	1.0000	28.1716	28.4875	27.8975	14.8291	31.5863	13.4483	69.91
28.2854	28.6015	27.9836	14.9063	1.0000	28.2854	28.6015	27.9836	14.9063	31.6189	13.4616	69.63
27.8701	28.6337	28.1244	14.9880	1.0000	27.8701	28.6337	28.1244	14.9880	31.5957	13.4587	71.97
28.1497	27.8868	27.1339	13.7375	1.0000	28.1497	27.8868	27.1339	13.7375	32.3426	13.5535	66.66
28.2815	28.2461	27.4421	13.7902	1.0000	28.2815	28.2461	27.4421	13.7902	32.4098	13.5455	67.41
28.3710	28.1857	27.3616	13.8304	1.0000	28.3710	28.1857	27.3616	13.8304	32.4833	13.5943	70.87
28.6164	28.4452	27.7899	14.1267	1.0000	28.6164	28.4452	27.7899	14.1267	32.5529	13.5999	71.54

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
28.5660	28.6304	27.8539	14.3253	1.0000	28.5660	28.6304	27.8539	14.3253	32.6169	13.6166	72.35
28.4427	28.4097	27.6939	14.4854	1.0000	28.4427	28.4097	27.6939	14.4854	32.6753	13.6372	73.59
28.5450	28.5927	28.0763	14.5942	1.0000	28.5450	28.5927	28.0763	14.5942	32.7239	13.6645	73.02
28.6588	28.6700	27.9458	14.6735	1.0000	28.6588	28.6700	27.9458	14.6735	32.7435	13.7067	73.40
28.7576	28.7016	28.0188	14.7570	1.0000	28.7576	28.7016	28.0188	14.7570	32.7872	13.7515	72.67
28.8535	28.7932	28.2114	14.8342	1.0000	28.8535	28.7932	28.2114	14.8342	32.8345	13.8043	73.26
28.5080	28.7783	28.2992	14.9144	1.0000	28.5080	28.7783	28.2992	14.9144	32.7957	13.8320	74.29
29.4646	29.6229	28.3532	13.9271	1.0000	29.4646	29.6229	28.3532	13.9271	34.6113	15.3609	65.66
29.6510	29.7540	28.5400	14.0702	1.0000	29.6510	29.7540	28.5400	14.0702	34.6764	15.3259	65.89
29.7838	29.9499	28.7000	14.2402	1.0000	29.7838	29.9499	28.7000	14.2402	34.7397	15.3891	65.06
30.0659	30.0363	29.2278	14.6040	1.0000	30.0659	30.0363	29.2278	14.6040	34.7986	15.3563	64.19
29.8564	30.0231	29.2146	14.7079	1.0000	29.8564	30.0231	29.2146	14.7079	34.8561	15.3490	64.92
30.0064	30.1721	29.3150	14.8088	1.0000	30.0064	30.1721	29.3150	14.8088	34.9135	15.3682	68.16
29.9965	30.2208	29.5380	14.9469	1.0000	29.9965	30.2208	29.5380	14.9469	34.9705	15.3969	66.46
30.2032	30.2160	29.6780	15.0262	1.0000	30.2032	30.2160	29.6780	15.0262	35.0306	15.3216	65.46
30.1576	30.3905	29.8301	15.1097	1.0000	30.1576	30.3905	29.8301	15.1097	35.0899	15.3685	69.67
30.1330	30.7120	29.8164	15.1869	1.0000	30.1330	30.7120	29.8164	15.1869	35.1465	15.3951	68.92
29.4001	30.3127	29.8706	15.2665	1.0000	29.4001	30.3127	29.8706	15.2665	35.1226	15.3544	72.69
29.6922	30.2527	29.1459	13.4173	1.0000	29.6922	30.2527	29.1459	13.4173	34.4408	16.6453	62.71
29.7030	30.6648	29.2770	13.5035	1.0000	29.7030	30.6648	29.2770	13.5035	34.5038	16.6724	62.32
30.0264	30.8230	29.4137	13.5670	1.0000	30.0264	30.8230	29.4137	13.5670	34.5668	16.7395	61.98
30.2042	30.8106	29.4818	13.6530	1.0000	30.2042	30.8106	29.4818	13.6530	34.6282	16.7457	62.44
30.3091	30.9810	29.8834	13.8155	1.0000	30.3091	30.9810	29.8834	13.8155	34.6779	16.7720	61.89
30.4528	31.1388	30.0549	13.8155	1.0000	30.4528	31.1388	30.0549	13.8155	34.7271	16.7489	69.50
30.5426	31.1869	30.0821	14.6264	1.0000	30.5426	31.1869	30.0821	14.6264	34.7822	16.7705	64.98
30.6089	31.2287	30.2749	14.1666	1.0000	30.6089	31.2287	30.2749	14.1666	34.8342	16.8384	64.91

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
30.6117	31.3499	30.4017	14.2501	1.0000	30.6117	31.3499	30.4017	14.2501	34.8892	16.8570	67.41
30.6237	31.4118	30.5422	14.3274	1.0000	30.6237	31.4118	30.5422	14.3274	34.9386	16.9095	66.28
30.2896	31.4075	30.5963	14.4090	1.0000	30.2896	31.4075	30.5963	14.4090	34.9139	16.8917	68.68
29.3457	30.2786	29.1352	13.4000	1.0000	29.3457	30.2786	29.1352	13.4000	34.0659	16.5761	61.78
29.5354	30.5075	29.2649	13.4225	1.0000	29.5354	30.5075	29.2649	13.4225	34.1176	16.5770	61.96
29.7566	30.6064	29.4336	13.5476	1.0000	29.7566	30.6064	29.4336	13.5476	34.1697	16.6208	65.34
29.9837	30.5531	29.6634	13.6292	1.0000	29.9837	30.5531	29.6634	13.6292	34.2195	16.6170	65.36
30.2041	30.8181	29.7764	13.7212	1.0000	30.2041	30.8181	29.7764	13.7212	34.2708	16.6219	66.64
30.2097	30.9235	29.9506	13.7212	1.0000	30.2097	30.9235	29.9506	13.7212	34.3241	16.6149	67.21
30.2698	30.9547	30.1730	13.7212	1.0000	30.2698	30.9547	30.1730	13.7212	34.3752	16.6195	66.99
30.4536	31.0224	30.2583	14.1281	1.0000	30.4536	31.0224	30.2583	14.1281	34.4264	16.6596	67.20
30.4536	31.0479	30.3483	14.2116	1.0000	30.4536	31.0479	30.3483	14.2116	34.4781	16.6728	70.39
30.3828	31.0951	30.3804	14.2889	1.0000	30.3828	31.0951	30.3804	14.2889	34.5307	16.6836	68.87
29.9276	31.0801	30.4229	14.3706	1.0000	29.9276	31.0801	30.4229	14.3706	34.5038	16.6798	70.78
27.6285	28.4463	27.1240	13.5221	1.0000	27.6285	28.4463	27.1240	13.5221	31.8005	14.3894	74.49
27.7149	28.6057	27.2435	13.6023	1.0000	27.7149	28.6057	27.2435	13.6023	31.8513	14.4252	74.11
27.8844	28.7216	27.4610	13.7020	1.0000	27.8844	28.7216	27.4610	13.7020	31.9035	14.4606	69.57
28.0877	28.5982	27.6543	13.7612	1.0000	28.0877	28.5982	27.6543	13.7612	31.9568	14.4500	69.36
28.2437	28.7410	27.7590	13.8039	1.0000	28.2437	28.7410	27.7590	13.8039	32.0072	14.4864	68.83
28.3680	28.9940	27.9550	13.8039	1.0000	28.3680	28.9940	27.9550	13.8039	32.0556	14.4527	69.86
28.5343	29.0584	28.1645	13.8039	1.0000	28.5343	29.0584	28.1645	13.8039	32.1048	14.5296	70.52
28.7337	29.1799	28.1976	14.1064	1.0000	28.7337	29.1799	28.1976	14.1064	32.1561	14.5349	70.32
28.7972	29.0879	28.2976	14.1899	1.0000	28.7972	29.0879	28.2976	14.1899	32.2162	14.5816	75.03
28.7496	29.1195	28.3651	14.2672	1.0000	28.7496	29.1195	28.3651	14.2672	32.2801	14.5924	70.85
28.4328	29.1668	28.4278	14.5107	1.0000	28.4328	29.1668	28.4278	14.5107	32.2529	14.5699	76.41
29.6939	30.3489	29.4241	13.3535	1.0000	29.6939	30.3489	29.4241	13.3535	34.5294	16.7439	60.97

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
29.8483	30.5647	29.5240	13.4660	1.0000	29.8483	30.5647	29.5240	13.4660	34.5918	16.7313	62.95
30.0569	30.7109	29.7096	13.5211	1.0000	30.0569	30.7109	29.7096	13.5211	34.6561	16.7776	64.33
30.2231	30.6889	29.9835	13.6719	1.0000	30.2231	30.6889	29.9835	13.6719	34.7151	16.7887	64.53
30.5462	30.8496	30.1993	13.8155	1.0000	30.5462	30.8496	30.1993	13.8155	34.7720	16.7760	65.02
30.4884	31.0819	30.2908	13.8155	1.0000	30.4884	31.0819	30.2908	13.8155	34.8250	16.7791	67.32
30.4817	31.1005	30.3530	13.8155	1.0000	30.4817	31.1005	30.3530	13.8155	34.8792	16.7660	66.88
30.5906	31.2334	30.4471	14.1434	1.0000	30.5906	31.2334	30.4471	14.1434	34.9324	16.8162	66.82
30.5948	31.2174	30.5011	14.2269	1.0000	30.5948	31.2174	30.5011	14.2269	34.9857	16.8520	69.83
30.6551	31.2841	30.6238	14.3041	1.0000	30.6551	31.2841	30.6238	14.3041	35.0394	16.8616	68.50
30.3175	31.2382	30.6857	14.4090	1.0000	30.3175	31.2382	30.6857	14.4090	35.0153	16.8583	70.52
28.3635	28.7674	27.7219	13.7698	1.0000	28.3635	28.7674	27.7219	13.7698	33.2349	15.3379	62.33
28.5953	28.9609	28.1405	13.8155	1.0000	28.5953	28.9609	28.1405	13.8155	33.3028	15.2917	62.80
28.6886	29.1632	28.3172	13.8567	1.0000	28.6886	29.1632	28.3172	13.8567	33.3688	15.3550	62.58
28.9331	29.3284	28.4535	13.9725	1.0000	28.9331	29.3284	28.4535	13.9725	33.4334	15.3604	62.78
29.2716	29.4310	28.7363	14.0969	1.0000	29.2716	29.4310	28.7363	14.0969	33.4871	15.3953	62.14
29.2832	29.6901	28.7503	14.2855	1.0000	29.2832	29.6901	28.7503	14.2855	33.5401	15.3894	66.20
29.2897	29.7589	28.9275	14.3944	1.0000	29.2897	29.7589	28.9275	14.3944	33.5916	15.4425	68.05
29.4836	29.9614	28.8803	14.4736	1.0000	29.4836	29.9614	28.8803	14.4736	33.6475	15.4403	65.84
29.5454	29.9916	29.0358	14.5572	1.0000	29.5454	29.9916	29.0358	14.5572	33.7036	15.4928	67.88
29.5289	30.0700	29.2564	14.6344	1.0000	29.5289	30.0700	29.2564	14.6344	33.7551	15.5298	66.39
28.9863	30.0228	29.2092	14.7292	1.0000	28.9863	30.0228	29.2092	14.7292	33.7207	15.5297	68.93
27.9602	28.5270	27.4905	13.6284	1.0000	27.9602	28.5270	27.4905	13.6284	32.1716	14.5936	76.55
28.3731	28.8243	27.9587	13.6990	1.0000	28.3731	28.8243	27.9587	13.6990	32.2361	14.5852	74.23
28.4736	28.9296	28.1120	13.7825	1.0000	28.4736	28.9296	28.1120	13.7825	32.3034	14.6275	68.27
28.6015	28.9762	28.3089	13.9819	1.0000	28.6015	28.9762	28.3089	13.9819	32.3681	14.6229	68.13
28.7971	29.1022	28.3700	14.2490	1.0000	28.7971	29.1022	28.3700	14.2490	32.4333	14.6364	69.08

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
28.9413	29.2767	28.5341	14.2987	1.0000	28.9413	29.2767	28.5341	14.2987	32.4918	14.6591	73.38
28.8890	29.4939	28.7360	14.4075	1.0000	28.8890	29.4939	28.7360	14.4075	32.5532	14.6979	73.38
29.0909	29.5436	28.7720	14.4868	1.0000	29.0909	29.5436	28.7720	14.4868	32.6073	14.6903	73.23
29.1260	29.5805	28.8648	14.5703	1.0000	29.1260	29.5805	28.8648	14.5703	32.6684	14.7420	72.64
29.2429	29.5565	29.0247	14.6475	1.0000	29.2429	29.5565	29.0247	14.6475	32.7229	14.7193	72.10
28.4820	29.3864	29.0332	14.7292	1.0000	28.4820	29.3864	29.0332	14.7292	32.6252	14.7007	74.61
28.0510	28.3092	27.4973	13.6998	0.0000	0.0000	0.0000	0.0000	0.0000	31.8813	14.5730	67.39
28.2877	28.7360	27.4938	13.7642	0.0000	0.0000	0.0000	0.0000	0.0000	31.8414	14.4956	67.07
28.4166	28.5509	27.7876	13.8155	0.0000	0.0000	0.0000	0.0000	0.0000	31.8258	14.5165	63.62
28.5664	28.7374	28.0245	13.9108	0.0000	0.0000	0.0000	0.0000	0.0000	31.8762	14.5247	64.74
28.6960	28.8796	28.0922	14.0061	0.0000	0.0000	0.0000	0.0000	0.0000	31.9266	14.5546	65.55
28.8505	29.1274	28.3407	14.1007	0.0000	0.0000	0.0000	0.0000	0.0000	32.1234	14.5705	63.54
28.9417	29.1473	28.4393	14.2095	0.0000	0.0000	0.0000	0.0000	0.0000	32.1799	14.6773	63.35
29.2372	29.4436	28.5675	14.3049	0.0000	0.0000	0.0000	0.0000	0.0000	32.1808	14.6557	64.04
29.1326	29.4493	28.7432	14.4171	0.0000	0.0000	0.0000	0.0000	0.0000	32.1347	14.6351	69.19
29.0112	29.4941	28.9487	14.5149	0.0000	0.0000	0.0000	0.0000	0.0000	32.1729	14.7406	67.22
28.7214	29.4926	28.9089	14.5966	0.0000	0.0000	0.0000	0.0000	0.0000	32.1665	14.7617	68.89
28.6152	28.6085	27.6194	13.5924	0.0000	0.0000	0.0000	0.0000	0.0000	31.4117	14.5388	56.96
28.6590	28.8634	27.7125	13.6530	0.0000	0.0000	0.0000	0.0000	0.0000	31.4669	14.5246	59.93
28.6379	29.0391	28.0035	13.7375	0.0000	0.0000	0.0000	0.0000	0.0000	31.5200	14.5670	62.28
28.7701	28.9862	28.2478	13.8255	0.0000	0.0000	0.0000	0.0000	0.0000	31.5727	14.5596	62.30
28.8915	29.1846	28.2378	13.9553	0.0000	0.0000	0.0000	0.0000	0.0000	31.6220	14.5922	62.44
29.1188	29.3782	28.5646	14.0387	0.0000	0.0000	0.0000	0.0000	0.0000	31.6700	14.6127	62.95
29.2068	29.3098	28.6655	14.1697	0.0000	0.0000	0.0000	0.0000	0.0000	31.7200	14.6384	62.13
29.2775	29.6040	28.8649	14.2375	0.0000	0.0000	0.0000	0.0000	0.0000	31.7698	14.6571	63.27
29.1632	29.6523	29.0323	14.3223	0.0000	0.0000	0.0000	0.0000	0.0000	31.8196	14.7828	65.51

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
29.2179	29.7554	29.0813	14.3940	0.0000	0.0000	0.0000	0.0000	0.0000	31.8707	14.7768	66.31
28.8692	29.7827	29.1699	14.4812	0.0000	0.0000	0.0000	0.0000	0.0000	31.8623	14.8183	67.13
28.6534	28.6277	27.5929	13.5158	0.0000	0.0000	0.0000	0.0000	0.0000	32.0861	14.5554	65.29
28.6979	28.9141	27.7607	13.5955	0.0000	0.0000	0.0000	0.0000	0.0000	32.1397	14.5848	65.14
28.8455	29.0133	27.8428	13.7102	0.0000	0.0000	0.0000	0.0000	0.0000	32.1971	14.6024	64.98
29.0515	29.0315	28.2523	13.8738	0.0000	0.0000	0.0000	0.0000	0.0000	32.2558	14.5913	65.23
29.2098	29.0424	28.2905	14.1376	0.0000	0.0000	0.0000	0.0000	0.0000	32.3049	14.6159	65.73
29.3042	29.3514	28.4815	14.2602	0.0000	0.0000	0.0000	0.0000	0.0000	32.3526	14.6201	68.02
29.3811	29.3930	28.5927	14.3691	0.0000	0.0000	0.0000	0.0000	0.0000	32.4033	14.6431	67.41
29.4933	29.5358	28.7238	14.4483	0.0000	0.0000	0.0000	0.0000	0.0000	32.4536	14.6498	68.16
29.4059	29.5615	28.7247	14.5318	0.0000	0.0000	0.0000	0.0000	0.0000	32.5031	14.7008	68.46
29.4003	29.6694	28.8859	14.6092	0.0000	0.0000	0.0000	0.0000	0.0000	32.5528	14.7096	67.21
29.1054	29.6614	29.0051	14.6909	0.0000	0.0000	0.0000	0.0000	0.0000	32.5344	14.7150	68.25
28.7221	28.3792	27.3810	13.8020	0.0000	0.0000	0.0000	0.0000	0.0000	31.6658	13.8378	61.66
28.7388	28.5790	27.6078	13.9418	0.0000	0.0000	0.0000	0.0000	0.0000	31.7335	13.8916	65.77
28.8664	28.6748	27.6798	14.0988	0.0000	0.0000	0.0000	0.0000	0.0000	31.8000	13.9219	67.68
29.0928	28.8247	28.0807	14.2558	0.0000	0.0000	0.0000	0.0000	0.0000	31.8711	13.9324	67.93
29.1392	28.9439	28.0703	14.3601	0.0000	0.0000	0.0000	0.0000	0.0000	31.9314	13.9592	68.41
29.2699	29.1374	28.2969	14.4555	0.0000	0.0000	0.0000	0.0000	0.0000	31.9991	14.0100	69.88
29.4260	29.1421	28.3936	14.5370	0.0000	0.0000	0.0000	0.0000	0.0000	32.0606	14.0372	70.48
29.3504	29.2655	28.4688	14.6163	0.0000	0.0000	0.0000	0.0000	0.0000	32.1258	14.0166	70.20
29.2976	29.2688	28.6187	14.6998	0.0000	0.0000	0.0000	0.0000	0.0000	32.1803	14.0797	71.71
29.2980	29.3612	28.7073	14.7951	0.0000	0.0000	0.0000	0.0000	0.0000	32.2398	14.0923	71.72
28.9629	29.3451	28.8331	14.8813	0.0000	0.0000	0.0000	0.0000	0.0000	32.2257	14.0917	71.47
28.5945	28.7230	27.8910	13.8397	0.0000	0.0000	0.0000	0.0000	0.0000	32.0773	14.3715	63.39
28.6044	28.8707	27.8983	13.9342	0.0000	0.0000	0.0000	0.0000	0.0000	32.1446	14.3899	64.44

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
28.8506	28.9716	28.0679	14.0185	0.0000	0.0000	0.0000	0.0000	0.0000	32.2026	14.4220	64.14
29.0465	29.0575	28.5079	14.1063	0.0000	0.0000	0.0000	0.0000	0.0000	32.2545	14.4203	64.24
29.3009	29.1757	28.6133	14.2979	0.0000	0.0000	0.0000	0.0000	0.0000	32.3018	14.4401	64.94
29.2861	29.4071	28.7789	14.4414	0.0000	0.0000	0.0000	0.0000	0.0000	32.3393	14.4518	65.47
29.4443	29.4237	28.8418	14.5503	0.0000	0.0000	0.0000	0.0000	0.0000	32.3824	14.4910	66.41
29.1749	29.5355	29.0078	14.6300	0.0000	0.0000	0.0000	0.0000	0.0000	32.4339	14.4962	69.58
29.1541	29.3945	29.0065	14.7135	0.0000	0.0000	0.0000	0.0000	0.0000	32.4835	14.5280	69.82
29.3528	29.4821	29.1100	14.7907	0.0000	0.0000	0.0000	0.0000	0.0000	32.5234	14.5313	68.42
29.0497	29.4449	29.1786	14.8724	0.0000	0.0000	0.0000	0.0000	0.0000	32.5052	14.5495	70.29
29.5870	28.8777	28.3705	13.8175	0.0000	0.0000	0.0000	0.0000	0.0000	33.6670	14.2088	68.92
29.6836	28.9904	28.4148	13.8962	0.0000	0.0000	0.0000	0.0000	0.0000	33.7297	14.2351	71.70
30.0005	29.1382	28.5673	13.9785	0.0000	0.0000	0.0000	0.0000	0.0000	33.7830	14.2902	72.74
30.1533	29.6028	29.0769	14.3763	0.0000	0.0000	0.0000	0.0000	0.0000	33.7145	14.2880	73.01
30.1420	29.5208	28.7938	14.4501	0.0000	0.0000	0.0000	0.0000	0.0000	33.7314	14.3328	73.86
30.1229	29.6258	29.0434	14.5216	0.0000	0.0000	0.0000	0.0000	0.0000	33.7193	14.1690	75.86
29.7387	29.6434	28.9890	14.5862	0.0000	0.0000	0.0000	0.0000	0.0000	33.7155	14.2737	75.15
29.6916	29.4259	28.8796	14.6655	0.0000	0.0000	0.0000	0.0000	0.0000	33.7463	14.2477	75.25
29.6968	29.4350	28.9172	14.7490	0.0000	0.0000	0.0000	0.0000	0.0000	33.7724	14.2985	78.23
29.9613	29.6492	29.0770	14.8262	0.0000	0.0000	0.0000	0.0000	0.0000	33.8187	14.3423	77.65
29.8299	29.5774	29.1569	14.9079	0.0000	0.0000	0.0000	0.0000	0.0000	33.7898	14.3419	76.29
28.2131	28.2626	27.1100	13.8155	0.0000	0.0000	0.0000	0.0000	0.0000	31.5769	13.7504	71.59
28.4132	28.6052	27.3611	13.8643	0.0000	0.0000	0.0000	0.0000	0.0000	31.6367	13.7679	72.06
28.3850	28.6470	27.2988	14.0387	0.0000	0.0000	0.0000	0.0000	0.0000	31.7031	13.7882	68.20
28.5226	28.5286	27.7567	14.2538	0.0000	0.0000	0.0000	0.0000	0.0000	31.7649	13.7804	67.96
28.6756	28.7301	27.7564	14.4574	0.0000	0.0000	0.0000	0.0000	0.0000	31.8261	13.7961	68.84
28.8232	28.9114	28.0276	14.5810	0.0000	0.0000	0.0000	0.0000	0.0000	31.8856	13.8155	69.33

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
28.9905	28.9865	28.1142	14.6910	0.0000	0.0000	0.0000	0.0000	0.0000	31.9454	13.9204	70.03
29.0149	29.0502	28.2644	14.7703	0.0000	0.0000	0.0000	0.0000	0.0000	32.0066	13.8555	71.45
28.8450	29.0760	28.4503	14.8538	0.0000	0.0000	0.0000	0.0000	0.0000	32.0648	13.9239	72.88
28.7166	29.1328	28.6107	14.9310	0.0000	0.0000	0.0000	0.0000	0.0000	32.1198	13.9544	70.95
28.4524	29.0842	28.7737	15.0127	0.0000	0.0000	0.0000	0.0000	0.0000	32.1098	13.9420	72.32
28.1490	28.3236	27.3656	13.5638	0.0000	0.0000	0.0000	0.0000	0.0000	31.5775	13.9676	70.53
28.2310	28.4597	27.6147	13.6262	0.0000	0.0000	0.0000	0.0000	0.0000	31.6712	14.0076	71.52
28.3943	28.6495	27.6065	13.6933	0.0000	0.0000	0.0000	0.0000	0.0000	31.7622	14.0177	68.46
28.5648	28.6127	27.9996	13.8105	0.0000	0.0000	0.0000	0.0000	0.0000	31.8537	14.0299	68.75
28.7051	28.7970	28.0740	14.0387	0.0000	0.0000	0.0000	0.0000	0.0000	31.9032	14.0727	68.79
28.9010	29.0360	28.3637	14.2210	0.0000	0.0000	0.0000	0.0000	0.0000	32.0473	14.0987	66.82
29.0684	28.9708	28.5263	14.3283	0.0000	0.0000	0.0000	0.0000	0.0000	32.1420	14.1938	67.80
29.0036	29.2137	28.6188	14.4076	0.0000	0.0000	0.0000	0.0000	0.0000	32.2106	14.1334	69.35
28.9891	29.2167	28.6735	14.4911	0.0000	0.0000	0.0000	0.0000	0.0000	32.3979	14.2075	70.32
29.0698	29.2911	28.8997	14.5684	0.0000	0.0000	0.0000	0.0000	0.0000	32.4825	14.1981	69.02
28.7501	29.3377	28.9260	14.6500	0.0000	0.0000	0.0000	0.0000	0.0000	32.5300	14.2318	69.83
28.8092	29.1893	28.3479	13.8155	0.0000	0.0000	0.0000	0.0000	0.0000	32.7770	15.0010	65.21
29.0265	29.4735	28.5008	13.9108	0.0000	0.0000	0.0000	0.0000	0.0000	32.8552	15.0175	65.63
29.0555	29.6286	28.6327	13.9978	0.0000	0.0000	0.0000	0.0000	0.0000	32.9402	15.0455	66.63
29.2905	29.5557	28.8947	14.1802	0.0000	0.0000	0.0000	0.0000	0.0000	33.0136	15.0324	66.81
29.4353	29.8354	28.9794	14.4033	0.0000	0.0000	0.0000	0.0000	0.0000	33.0863	15.0760	67.36
29.5896	29.9606	29.2057	14.5087	0.0000	0.0000	0.0000	0.0000	0.0000	33.1557	15.0641	70.90
29.6699	29.9755	29.3735	14.6264	0.0000	0.0000	0.0000	0.0000	0.0000	33.2272	15.1224	69.95
29.7898	30.1210	29.4294	14.7057	0.0000	0.0000	0.0000	0.0000	0.0000	33.2968	15.0961	70.10
29.7007	30.1477	29.5363	14.7892	0.0000	0.0000	0.0000	0.0000	0.0000	33.3649	15.2034	73.83
29.6589	30.2045	29.6037	14.8665	0.0000	0.0000	0.0000	0.0000	0.0000	33.4316	15.2163	73.71

X ₁	X ₂	X ₃	X ₄	X ₅	X ₁ X ₅	X ₂ X ₅	X ₃ X ₅	X ₄ X ₅	Y ₁	Y ₂	Y ₃
29.4740	30.1928	29.6588	14.9481	0.0000	0.0000	0.0000	0.0000	0.0000	33.4246	15.2035	73.29
28.1187	28.1346	27.1637	13.6647	0.0000	0.0000	0.0000	0.0000	0.0000	31.5105	13.8132	65.03
28.1830	28.4728	27.3544	13.7429	0.0000	0.0000	0.0000	0.0000	0.0000	31.6116	13.7694	62.79
28.2877	28.4822	27.5262	13.8473	0.0000	0.0000	0.0000	0.0000	0.0000	31.7218	13.8100	67.86
28.5007	28.5487	27.8275	13.9335	0.0000	0.0000	0.0000	0.0000	0.0000	31.7941	13.8127	67.84
28.7493	28.8392	27.8189	14.1520	0.0000	0.0000	0.0000	0.0000	0.0000	31.8548	13.8522	69.07
28.8832	28.9234	28.1272	14.3175	0.0000	0.0000	0.0000	0.0000	0.0000	31.9214	13.8878	70.30
29.0727	28.9241	28.2954	14.4307	0.0000	0.0000	0.0000	0.0000	0.0000	31.9845	14.0140	70.74
29.1079	29.1285	28.3372	14.5100	0.0000	0.0000	0.0000	0.0000	0.0000	32.0499	13.9648	70.11
29.0250	29.1587	28.5023	14.5935	0.0000	0.0000	0.0000	0.0000	0.0000	32.1119	14.0420	73.56
29.0982	29.2833	28.6460	14.6707	0.0000	0.0000	0.0000	0.0000	0.0000	32.1749	14.0487	71.41
28.7990	29.2789	28.7915	14.7524	0.0000	0.0000	0.0000	0.0000	0.0000	32.1684	14.0696	71.79
27.2693	27.3820	26.4315	13.4730	0.0000	0.0000	0.0000	0.0000	0.0000	30.3703	12.9783	70.05
27.3571	27.7526	26.7776	13.5444	0.0000	0.0000	0.0000	0.0000	0.0000	30.4446	13.0064	70.92
27.4512	27.7823	26.7380	13.6382	0.0000	0.0000	0.0000	0.0000	0.0000	30.5207	13.0288	66.65
27.6377	27.7566	27.1954	13.9768	0.0000	0.0000	0.0000	0.0000	0.0000	30.5946	13.0367	66.95
27.8298	27.9239	27.1302	14.0969	0.0000	0.0000	0.0000	0.0000	0.0000	30.6648	13.0797	67.62
27.9029	28.1229	27.4761	14.2855	0.0000	0.0000	0.0000	0.0000	0.0000	30.7252	13.1097	67.12
28.0116	28.0649	27.7521	14.4441	0.0000	0.0000	0.0000	0.0000	0.0000	30.7883	13.2116	67.03
27.9709	28.2820	27.7648	14.5235	0.0000	0.0000	0.0000	0.0000	0.0000	30.8535	13.1698	67.12
28.0728	28.2917	27.8212	14.6071	0.0000	0.0000	0.0000	0.0000	0.0000	30.9164	13.2528	71.48
28.0239	28.3749	27.9680	14.6843	0.0000	0.0000	0.0000	0.0000	0.0000	30.9784	13.2584	70.05
27.6170	28.3805	28.0112	14.7660	0.0000	0.0000	0.0000	0.0000	0.0000	30.9782	13.2509	70.28
27.1186	27.3567	26.3922	13.7581	0.0000	0.0000	0.0000	0.0000	0.0000	30.4750	13.1517	60.51
27.2956	27.5900	26.3961	13.8215	0.0000	0.0000	0.0000	0.0000	0.0000	30.5769	13.1940	62.36
27.3984	27.6884	26.5404	13.9351	0.0000	0.0000	0.0000	0.0000	0.0000	30.6653	13.2570	63.47

X ₁	X ₂	X ₃	X ₄	X ₅	X ₁ X ₅	X ₂ X ₅	X ₃ X ₅	X ₄ X ₅	Y ₁	Y ₂	Y ₃
27.6262	27.6358	26.9680	13.9682	0.0000	0.0000	0.0000	0.0000	0.0000	30.7323	13.2093	63.58
27.7155	27.7693	26.9839	14.1520	0.0000	0.0000	0.0000	0.0000	0.0000	30.8172	13.2977	64.61
28.0614	28.0448	27.3617	14.3196	0.0000	0.0000	0.0000	0.0000	0.0000	30.8877	13.2978	64.37
28.2637	28.0903	27.5791	14.4382	0.0000	0.0000	0.0000	0.0000	0.0000	30.9461	13.3442	63.84
28.2349	28.1497	27.6589	14.5175	0.0000	0.0000	0.0000	0.0000	0.0000	31.0080	13.2963	66.70
28.1450	28.1708	27.7126	14.6010	0.0000	0.0000	0.0000	0.0000	0.0000	31.0687	13.3706	68.52
28.1026	28.3443	27.8387	14.6783	0.0000	0.0000	0.0000	0.0000	0.0000	31.1238	13.4007	67.25
27.6881	28.5353	27.9267	14.7599	0.0000	0.0000	0.0000	0.0000	0.0000	31.0993	13.4195	67.91
28.0388	27.9323	26.8667	13.6412	0.0000	0.0000	0.0000	0.0000	0.0000	30.5449	13.2818	67.83
28.0845	28.0817	27.0174	13.7102	0.0000	0.0000	0.0000	0.0000	0.0000	30.6064	13.3357	66.74
28.1345	28.0759	27.2329	13.7902	0.0000	0.0000	0.0000	0.0000	0.0000	30.6755	13.3267	67.55
28.2581	28.1482	27.4124	14.0585	0.0000	0.0000	0.0000	0.0000	0.0000	30.7266	13.3087	67.93
28.3510	28.2724	27.4170	14.1626	0.0000	0.0000	0.0000	0.0000	0.0000	30.7909	13.3074	68.66
28.6464	28.5993	27.7838	14.3163	0.0000	0.0000	0.0000	0.0000	0.0000	30.8442	13.3925	69.26
28.8165	28.5747	27.8642	14.3893	0.0000	0.0000	0.0000	0.0000	0.0000	30.9000	13.4456	68.59
28.8149	28.8783	28.0476	14.4704	0.0000	0.0000	0.0000	0.0000	0.0000	30.9566	13.3724	69.86
28.7831	28.9443	28.2208	14.6140	0.0000	0.0000	0.0000	0.0000	0.0000	31.0140	13.5197	71.77
28.7063	28.8754	28.2315	14.6913	0.0000	0.0000	0.0000	0.0000	0.0000	31.0666	13.5388	71.85
28.3577	28.9721	28.2626	14.7729	0.0000	0.0000	0.0000	0.0000	0.0000	31.0574	13.5615	71.06
27.6508	27.2653	26.8078	13.6495	0.0000	0.0000	0.0000	0.0000	0.0000	30.3380	12.9272	66.65
27.8837	27.4417	26.9859	13.6982	0.0000	0.0000	0.0000	0.0000	0.0000	30.4037	12.9633	65.53
28.1158	27.4841	27.0219	13.7752	0.0000	0.0000	0.0000	0.0000	0.0000	30.4713	13.0174	67.47
28.1818	27.7823	27.3564	13.9984	0.0000	0.0000	0.0000	0.0000	0.0000	30.5329	13.0280	67.74
28.2458	27.8977	27.3196	14.1807	0.0000	0.0000	0.0000	0.0000	0.0000	30.5864	13.0303	68.00
28.4632	28.1018	27.6455	14.2714	0.0000	0.0000	0.0000	0.0000	0.0000	30.6456	13.0868	68.29
28.6109	28.1047	27.6678	14.3351	0.0000	0.0000	0.0000	0.0000	0.0000	30.7017	13.1293	68.04

X_1	X_2	X_3	X_4	X_5	X_1X_5	X_2X_5	X_3X_5	X_4X_5	Y_1	Y_2	Y_3
28.6355	28.3762	27.7966	14.4962	0.0000	0.0000	0.0000	0.0000	0.0000	30.7756	13.0995	68.96
28.6014	28.4330	27.9845	14.6574	0.0000	0.0000	0.0000	0.0000	0.0000	30.8513	13.2130	72.39
28.6989	28.5546	28.2001	14.7350	0.0000	0.0000	0.0000	0.0000	0.0000	30.9105	13.2209	71.02
28.4805	28.5313	28.2355	14.8167	0.0000	0.0000	0.0000	0.0000	0.0000	30.9585	13.2222	69.99
28.5915	27.6851	27.1900	14.0061	0.0000	0.0000	0.0000	0.0000	0.0000	31.3534	12.6652	59.59
28.5923	27.8637	27.2917	14.1591	0.0000	0.0000	0.0000	0.0000	0.0000	31.3891	12.7102	61.94
28.8070	27.9246	27.4574	14.1871	0.0000	0.0000	0.0000	0.0000	0.0000	31.4248	12.7587	65.41
28.9060	28.1175	27.6950	14.3578	0.0000	0.0000	0.0000	0.0000	0.0000	31.4958	12.7925	65.90
29.1353	28.1808	27.7125	14.4414	0.0000	0.0000	0.0000	0.0000	0.0000	31.5482	12.8438	66.40
29.3521	28.5065	28.0513	14.5161	0.0000	0.0000	0.0000	0.0000	0.0000	31.5889	12.8485	66.34
29.3767	28.4402	28.1577	14.6206	0.0000	0.0000	0.0000	0.0000	0.0000	31.6331	12.9051	66.86
29.2728	28.5673	28.0925	14.6999	0.0000	0.0000	0.0000	0.0000	0.0000	31.6725	12.9055	68.03
29.3838	28.6810	28.2275	14.7965	0.0000	0.0000	0.0000	0.0000	0.0000	31.7331	12.9479	69.77
29.5698	28.7599	28.4603	14.8920	0.0000	0.0000	0.0000	0.0000	0.0000	31.7593	12.9870	69.06
29.4142	28.8090	28.4787	14.9580	0.0000	0.0000	0.0000	0.0000	0.0000	31.7516	13.0376	68.24
29.3374	28.5619	28.3316	14.0905	0.0000	0.0000	0.0000	0.0000	0.0000	32.3388	14.1916	55.68
29.4590	28.7297	28.4358	14.1541	0.0000	0.0000	0.0000	0.0000	0.0000	32.2951	14.1869	58.11
29.5227	28.8065	28.5014	14.2761	0.0000	0.0000	0.0000	0.0000	0.0000	32.3121	14.2115	61.33
29.6069	29.0334	28.7531	14.3520	0.0000	0.0000	0.0000	0.0000	0.0000	32.3942	14.2600	61.99
29.8511	29.2318	28.9049	14.5285	0.0000	0.0000	0.0000	0.0000	0.0000	32.4300	14.2964	61.96
29.9760	29.4171	29.1142	14.6008	0.0000	0.0000	0.0000	0.0000	0.0000	32.5010	14.3298	62.44
30.0306	29.3376	29.1426	14.7055	0.0000	0.0000	0.0000	0.0000	0.0000	32.5884	14.3250	63.16
29.9619	29.5665	29.1714	14.7952	0.0000	0.0000	0.0000	0.0000	0.0000	32.6337	14.3456	64.03
29.8781	29.5794	29.4035	14.8787	0.0000	0.0000	0.0000	0.0000	0.0000	32.7044	14.4037	65.29
29.8551	29.7108	29.3870	14.9914	0.0000	0.0000	0.0000	0.0000	0.0000	32.5330	14.3989	65.51
29.5307	29.6922	29.4003	15.0730	0.0000	0.0000	0.0000	0.0000	0.0000	32.5559	14.3413	64.78

Lampiran 7 Hasil Estimasi

Model AHDI Indonesia

Abdul Rahman

Model AHDI Indonesia

Mengimpor Data

```
library(readxl)

## Warning: package 'readxl' was built under R version 3.6.3

DATA_AHDI_INA <- read_excel("D:/DATA AHDI INA.xlsx")
View(DATA_AHDI_INA)
```

Membaca Data

```
View(DATA_AHDI_INA)
str(DATA_AHDI_INA)

## tibble [363 x 12] (S3: tbl_df/tbl/data.frame)
## $ X1 : num [1:363] 29.3 29.3 29.4 29.6 29.8 ...
## $ X2 : num [1:363] 29 29.2 29.3 29.5 29.7 ...
## $ X3 : num [1:363] 28.3 28.4 28.6 28.9 29.2 ...
## $ X4 : num [1:363] 14.1 14.1 14.2 14.3 14.4 ...
## $ X5 : num [1:363] 1 1 1 1 1 1 1 1 1 1 ...
## $ X1X5: num [1:363] 29.3 29.3 29.4 29.6 29.8 ...
## $ X2X5: num [1:363] 29 29.2 29.3 29.5 29.7 ...
## $ X3X5: num [1:363] 28.3 28.4 28.6 28.9 29.2 ...
## $ X4X5: num [1:363] 14.1 14.1 14.2 14.3 14.4 ...
## $ Y1 : num [1:363] 32.3 32.3 32.3 32.3 32.4 ...
## $ Y2 : num [1:363] 14.4 14.4 14.4 14.4 14.5 ...
## $ Y3 : num [1:363] 69.5 67.3 69.1 69.1 69.7 ...
```

Menginstal Packages

```
library(lavaan)

## This is lavaan 0.6-9
## lavaan is FREE software! Please report any bugs.

library(semPlot)

## Warning: package 'semPlot' was built under R version 3.6.3
```

```

library(OpenMx)
## Warning: package 'OpenMx' was built under R version 3.6.3

library(tidyverse)
## Warning: package 'tidyverse' was built under R version 3.6.3

## -- Attaching packages ----- tidy
verse 1.3.0 --

## v ggplot2 3.3.0      v purrr   0.3.4
## v tibble  3.0.1      v dplyr   0.8.5
## v tidyr   1.0.2      v stringr 1.4.0
## v readr   1.3.1      v forcats 0.5.0

## Warning: package 'ggplot2' was built under R version 3.6.3
## Warning: package 'tibble' was built under R version 3.6.3
## Warning: package 'tidyr' was built under R version 3.6.3
## Warning: package 'readr' was built under R version 3.6.3
## Warning: package 'purrr' was built under R version 3.6.3
## Warning: package 'dplyr' was built under R version 3.6.3
## Warning: package 'stringr' was built under R version 3.6.3
## Warning: package 'forcats' was built under R version 3.6.3

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()

library(knitr)
## Warning: package 'knitr' was built under R version 3.6.3

library(kableExtra)
## Warning: package 'kableExtra' was built under R version 3.6.3
## Attaching package: 'kableExtra'

## The following object is masked from 'package:dplyr':
##   group_rows

library(GGally)
## Warning: package 'GGally' was built under R version 3.6.3

```

```
## Registered S3 method overwritten by 'GGally':
##   method from
##   +.gg   ggplot2
## Attaching package: 'GGally'

## The following object is masked from 'package:dplyr':
##   nasa

library(psych)

## Warning: package 'psych' was built under R version 3.6.3
## Attaching package: 'psych'

## The following objects are masked from 'package:ggplot2':
##   %+%, alpha

## The following object is masked from 'package:OpenMx':
##   tr

## The following object is masked from 'package:lavaan':
##   cor2cov

library(pastecs)

## Warning: package 'pastecs' was built under R version 3.6.3
## Attaching package: 'pastecs'

## The following objects are masked from 'package:dplyr':
##   first, last

## The following object is masked from 'package:tidyr':
##   extract
```

Membuat Statistik Deskriptif

```
summary(DATA_AHDI_INA)
```

##	X1	X2	X3	X4
##	Min. :27.12	Min. :27.27	Min. :26.39	Min. :13.35
##	1st Qu.:28.54	1st Qu.:28.62	1st Qu.:27.83	1st Qu.:13.92
##	Median :29.07	Median :29.18	Median :28.39	Median :14.30
##	Mean :29.05	Mean :29.23	Mean :28.44	Mean :14.27
##	3rd Qu.:29.56	3rd Qu.:29.75	3rd Qu.:29.00	3rd Qu.:14.61
##	Max. :30.66	Max. :31.41	Max. :30.69	Max. :15.27
##	X5	X1X5	X2X5	X3X5
##	Min. :0.0000	Min. : 0.00	Min. : 0.00	Min. : 0.00
##	1st Qu.:0.0000	1st Qu.: 0.00	1st Qu.: 0.00	1st Qu.: 0.00
##	Median :1.0000	Median :27.87	Median :27.98	Median :27.14
##	Mean :0.5152	Mean :15.06	Mean :15.24	Mean :14.79
##	3rd Qu.:1.0000	3rd Qu.:29.30	3rd Qu.:29.64	3rd Qu.:28.70

##	Max.	:1.0000	Max.	:30.66	Max.	:31.41	Max.	:30.69
##		X4X5		Y1		Y2		Y3
##	Min.	: 0.000	Min.	:30.34	Min.	:12.67	Min.	:55.68
##	1st Qu.:	0.000	1st Qu.:	31.73	1st Qu.:	13.81	1st Qu.:	65.64
##	Median	:13.504	Median	:32.36	Median	:14.49	Median	:68.04
##	Mean	: 7.335	Mean	:32.52	Mean	:14.50	Mean	:68.02
##	3rd Qu.:	14.287	3rd Qu.:	33.35	3rd Qu.:	15.06	3rd Qu.:	70.34
##	Max.	:15.267	Max.	:35.15	Max.	:16.91	Max.	:78.23

Membuat Spesifikasi Model

```
AHDI.modelINA<- "#regresi
Y1~X1+X2+X3+X4+X5+X1X5+X2X5+X3X5+X4X5
Y2~Y1+X1+X2+X3+X4+X5+X1X5+X2X5+X3X5+X4X5
Y3~Y1+Y2+X1+X2+X3+X4+X5+X1X5+X2X5+X3X5+X4X5
#Kovarian Eksogen
X1~~X1
X2~~X2
X3~~X3
X4~~X4
X5~~X5
X1X5~~X1X5
X2X5~~X2X5
X3X5~~X3X5
X4X5~~X4X5
X1~~X2
X1~~X3
X1~~X4
X1~~X5
X1~~X1X5
X1~~X2X5
X1~~X3X5
X1~~X4X5
X2~~X3
X2~~X4
X2~~X5
X2~~X1X5
X2~~X2X5
X2~~X3X5
X2~~X4X5
X3~~X4
X3~~X5
X3~~X1X5
X3~~X2X5
X3~~X3X5
X3~~X4X5
X4~~X5
```

```

X4~~X1X5
X4~~X2X5
X4~~X3X5
X4~~X4X5
X5~~X1X5
X5~~X2X5
X5~~X3X5
X5~~X4X5
X1X5~~X2X5
X1X5~~X3X5
X1X5~~X4X5
X2X5~~X3X5
X2X5~~X4X5
X3X5~~X4X5"

```

Melakukan Pengujian Estimasi Model

```

AHD1.pathINA<-sem(AHD1.modelINA,data = DATA_AHD1_INA)

## Warning in lav_data_full(data = data, group = group, cluster = cluster, : lavaan
## WARNING: some observed variances are (at least) a factor 1000 times larger than
## others; use varTable(fit) to investigate

summary(AHD1.pathINA,fit.measures=TRUE,rsquare=TRUE)

## lavaan 0.6-9 ended normally after 709 iterations
##
## Estimator ML
## Optimization method NLMINB
## Number of model parameters 78
##
## Number of observations 363
##
## Model Test User Model:
##
## Test statistic 0.000
## Degrees of freedom 0
##
## Model Test Baseline Model:
##
## Test statistic 16322.586
## Degrees of freedom 66
## P-value 0.000
##
## User Model versus Baseline Model:
##
## Comparative Fit Index (CFI) 1.000
## Tucker-Lewis Index (TLI) 1.000

```



```

##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)                -1364.595
##   Loglikelihood unrestricted model (H1)        -1364.595
##
##   Akaike (AIC)                                2885.190
##   Bayesian (BIC)                              3188.953
##   Sample-size adjusted Bayesian (BIC)         2941.493
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                        0.000
##   90 Percent confidence interval - lower      0.000
##   90 Percent confidence interval - upper      0.000
##   P-value RMSEA <= 0.05                       NA
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                        0.000
##
## Parameter Estimates:
##
##   Standard errors                                Standard
##   Information                                    Expected
##   Information saturated (h1) model              Structured
##
## Regressions:
##
##           Estimate  Std.Err  z-value  P(>|z|)
## Y1 ~
##   X1             0.652   0.103   6.359   0.000
##   X2             0.563   0.180   3.131   0.002
##   X3             0.154   0.210   0.734   0.463
##   X4            -0.486   0.138  -3.519   0.000
##   X5            -0.904   2.633  -0.343   0.731
##   X1X5          -0.186   0.161  -1.156   0.248
##   X2X5           0.627   0.258   2.429   0.015
##   X3X5          -0.626   0.270  -2.317   0.021
##   X4X5           0.435   0.167   2.613   0.009
## Y2 ~
##   Y1             0.193   0.022   8.892   0.000
##   X1            -0.438   0.045  -9.810   0.000
##   X2             0.865   0.075  11.503   0.000
##   X3             0.397   0.087   4.575   0.000
##   X4            -0.881   0.058 -15.205   0.000
##   X5            -3.455   1.087  -3.179   0.001
##   X1X5           0.173   0.066   2.603   0.009

```

```

##      X2X5      0.206      0.107      1.920      0.055
##      X3X5     -0.371      0.112     -3.300      0.001
##      X4X5      0.211      0.069      3.034      0.002
##    Y3 ~
##      Y1      1.443      0.341      4.229      0.000
##      Y2     -6.167      0.749     -8.233      0.000
##      X1     -2.917      0.716     -4.074      0.000
##      X2     10.041      1.253      8.012      0.000
##      X3     -2.556      1.275     -2.005      0.045
##      X4      1.125      1.058      1.064      0.287
##      X5      1.028      0.385      2.069      0.008
##      X1X5     -3.038      0.957     -3.176      0.001
##      X2X5     -4.544      1.541     -2.948      0.003
##      X3X5      6.104      1.627      3.750      0.000
##      X4X5     -2.141      1.003     -2.135      0.033
##
## Covariances:
##              Estimate  Std.Err  z-value  P(>|z|)
##    X1 ~
##      X2      0.556      0.044     12.643     0.000
##      X3      0.558      0.044     12.740     0.000
##      X4      0.085      0.017      5.118     0.000
##      X5      0.099      0.020      4.977     0.000
##      X1X5     3.192      0.587      5.439     0.000
##      X2X5     3.251      0.594      5.471     0.000
##      X3X5     3.158      0.577      5.477     0.000
##      X4X5     1.440      0.284      5.066     0.000
##    X2 ~
##      X3      0.690      0.052     13.142     0.000
##      X4      0.073      0.019      3.827     0.000
##      X5      0.183      0.024      7.510     0.000
##      X1X5     5.677      0.721      7.878     0.000
##      X2X5     5.819      0.731      7.961     0.000
##      X3X5     5.643      0.709      7.958     0.000
##      X4X5     2.629      0.348      7.552     0.000
##    X3 ~
##      X4      0.134      0.020      6.791     0.000
##      X5      0.132      0.023      5.666     0.000
##      X1X5     4.168      0.686      6.078     0.000
##      X2X5     4.283      0.695      6.162     0.000
##      X3X5     4.182      0.675      6.196     0.000
##      X4X5     1.925      0.332      5.793     0.000
##    X4 ~
##      X5     -0.016      0.011     -1.448     0.148
##      X1X5     -0.434      0.320     -1.359     0.174
##      X2X5     -0.448      0.324     -1.385     0.166
##      X3X5     -0.406      0.314     -1.293     0.196

```

```

##      X4X5      -0.129    0.156   -0.832    0.405
##      X5 ~~
##      X1X5      7.303    0.542   13.468    0.000
##      X2X5      7.389    0.549   13.466    0.000
##      X3X5      7.169    0.532   13.466    0.000
##      X4X5      3.557    0.264   13.466    0.000
##      X1X5 ~~
##      X2X5     216.382   16.062   13.471    0.000
##      X3X5     209.926   15.583   13.471    0.000
##      X4X5     104.022    7.727   13.463    0.000
##      X2X5 ~~
##      X3X5     212.458   15.771   13.472    0.000
##      X4X5     105.235    7.818   13.461    0.000
##      X3X5 ~~
##      X4X5     102.123    7.586   13.462    0.000
##
## Variances:
##              Estimate Std.Err  z-value  P(>|z|)
##      X1              0.537   0.040   13.472   0.000
##      X2              0.731   0.054   13.472   0.000
##      X3              0.717   0.053   13.472   0.000
##      X4              0.173   0.013   13.472   0.000
##      X5              0.250   0.019   13.472   0.000
##      X1X5           213.849   15.873   13.472   0.000
##      X2X5           218.998   16.256   13.472   0.000
##      X3X5           206.141   15.301   13.472   0.000
##      X4X5            50.737    3.766   13.472   0.000
##      .Y1             0.202   0.015   13.472   0.000
##      .Y2             0.034   0.003   13.472   0.000
##      .Y3             7.016   0.521   13.472   0.000
##
## R-Square:
##              Estimate
##      Y1              0.852
##      Y2              0.965
##      Y3              0.442

```

Uji Kelayakan Model

fitMeasures(AHDI.pathINA)

```

##              npar              fmin              chisq              df
##      78.000              0.000              0.000              0.000
##      pvalue      baseline.chisq      baseline.df      baseline.pvalue
##      NA              16322.586              66.000              0.000
##      cfi              tli              nnfi              rfi
##      1.000              1.000              1.000              1.000
##      nfi              pnfi              ifi              rni
##      1.000              0.000              1.000              1.000

```

##	logl	unrestricted.logl	aic	bic
##	-1364.595	-1364.595	2885.190	3188.953
##	ntotal	bic2	rmsea	rmsea.ci.lower
##	363.000	2941.493	0.000	0.000
##	rmsea.ci.upper	rmsea.pvalue	rmr	rmr_nomean
##	0.000	NA	0.000	0.000
##	srmr	srmr_bentler	srmr_bentler_nomean	crmr
##	0.000	0.000	0.000	0.000
##	crmr_nomean	srmr_mplus	srmr_mplus_nomean	cn_05
##	0.000	0.000	0.000	NA
##	cn_01	gfi	agfi	pgfi
##	NA	1.000	1.000	0.000
##	mfi	ecvi		
##	1.000	0.430		

Pengujian Pengaruh Tidak Langsung dan Pengaruh Total

Membuat Spesifikasi Model Pengaruh Tidak Langsung dan Pengaruh Total

```
AHDI.model1INA2<- "#regresi
Y1~alfa1*X1+alfa2*X2+alfa3*X3+alfa4*X4+alfa5*X5+alfa6*X1X5+alfa7*X2X
5+alfa8*X3X5+alfa9*X4X5
Y2~beta1*Y1+beta2*X1+beta3*X2+beta4*X3+beta5*X4+beta6*X5+beta7*X1X5+
beta8*X2X5+beta9*X3X5+beta10*X4X5
Y3~landa1*Y1+landa2*Y2+landa3*X1+landa4*X2+landa5*X3+landa6*X4+landa
7*X5+landa8*X1X5+landa9*X2X5+landa10*X3X5+landa11*X4X5
#Kovarian Eksogen
X1~~X1
X2~~X2
X3~~X3
X4~~X4
X5~~X5
X1X5~~X1X5
X2X5~~X2X5
X3X5~~X3X5
X4X5~~X4X5
X1~~X2
X1~~X3
X1~~X4
X1~~X5
X1~~X1X5
X1~~X2X5
X1~~X3X5
X1~~X4X5
X2~~X3
X2~~X4
X2~~X5
X2~~X1X5
X2~~X2X5
X2~~X3X5
```

X2~~X4X5
 X3~~X4
 X3~~X5
 X3~~X1X5
 X3~~X2X5
 X3~~X3X5
 X3~~X4X5
 X4~~X5
 X4~~X1X5
 X4~~X2X5
 X4~~X3X5
 X4~~X4X5
 X5~~X1X5
 X5~~X2X5
 X5~~X3X5
 X5~~X4X5
 X1X5~~X2X5
 X1X5~~X3X5
 X1X5~~X4X5
 X2X5~~X3X5
 X2X5~~X4X5
 X3X5~~X4X5

#Pengaruh Tidak Langsung Belanja infrastruktur, Belanja Pendidikan, Belanja Kesehatan dan Upah Minimum terhadap Kualitas Pembangunan Manusia Melalui Pertumbuhan Ekonomi

#Melalui Growth

dir_1:=landa1*alfa1 # Pengaruh tidak Langsung Belanja infrastruktur terhadap kualitas pembangunan manusia
 dir_2:=landa1*alfa2 # Pengaruh tidak Langsung Belanja pendidikan terhadap kualitas pembangunan manusia
 dir_3:=landa1*alfa3 # Pengaruh tidak Langsung Belanja kesehatan terhadap kualitas pembangunan manusia
 dir_4:=landa1*alfa4 # Pengaruh tidak Langsung Upah minimum provinsi terhadap kualitas pembangunan manusia
 dir_5:= landa1*alfa5 # Perbedaan tidak Langsung DUMMYKBI terhadap kualitas pembangunan manusia
 dir_6:= landa1*alfa6 # Perbedaan tidak Langsung DUMMYINF terhadap kualitas pembangunan manusia
 dir_7:= landa1*alfa7 # Perbedaan tidak Langsung DUMMYEDU terhadap kualitas pembangunan manusia
 dir_8:= landa1*alfa8 # Perbedaan tidak Langsung DUMMYHEALTH terhadap kualitas pembangunan manusia
 dir_9:= landa1*alfa9 # Perbedaan tidak Langsung DUMMYUMP terhadap kualitas pembangunan manusia

#Pengaruh Tidak Langsung Belanja infrastruktur, Belanja Pendidikan, Belanja Kesehatan dan Upah Minimum terhadap Kualitas Pembangunan Man usia Melalui Penyerapan tenaga kerja

```
dir_10:=landa2*beta2 # Pengaruh tidak Langsung INF
dir_11:=landa2*beta3 # Pengaruh tidak Langsung EDU
dir_12:=landa2*beta4 # Pengaruh tidak Langsung HEALTH
dir_13:=landa2*beta5 # Pengaruh tidak Langsung UMP
dir_14:=landa2*beta6 # Perbedaan tidak Langsung DUMMY
dir_15:=landa2*beta7 # Perbedaan tidak Langsung DUMMYINF
dir_16:=landa2*beta8 # Perbedaan tidak Langsung DUMMYEDU
dir_17:=landa2*beta9 # Perbedaan tidak Langsung DUMMYHEALTH
dir_18:=landa2*beta10 # Perbedaan tidak Langsung DUMMYUMP
```

#Pengaruh Tidak Langsung Belanja infrastruktur, Belanja Pendidikan, Belanja Kesehatan dan Upah Minimum terhadap Kualitas Pembangunan Man usia Melalui Pertumbuhan ekonomi dan Penyerapan tenaga kerja

```
dir_19:=landa3*beta1*alfa1 # Pengaruh tidak Langsung INF
dir_20:=landa3*beta1*alfa2 # Pengaruh tidak Langsung EDU
dir_21:=landa3*beta1*alfa3 # Pengaruh tidak Langsung HEALTH
dir_22:=landa3*beta1*alfa4 # Pengaruh tidak Langsung UMP
dir_23:= landa3*beta1*alfa5 # Perbedaan tidak Langsung DUMMY
dir_24:= landa3*beta1*alfa6 # Perbedaan tidak Langsung DUMMYINF
dir_25:= landa3*beta1*alfa7 # Perbedaan tidak Langsung DUMMYEDU
dir_26:= landa3*beta1*alfa8 # Perbedaan tidak Langsung DUMMYHEALTH
dir_27:= landa3*beta1*alfa9 # Perbedaan tidak Langsung DUMMYUMP
```

#Pengaruh Total Kualitas Pembangunan Manusia

```
tot1:=dir_1+dir_10+dir_19+landa3 # Pengaruh Total Belanja Infrastruk
tur
tot2:=dir_2+dir_11+dir_20+landa4 # Pengaruh Total Belanja Pendidikan
tot3:=dir_3+dir_12+dir_21+landa5 # Pengaruh Total Belanja Kesehatan
tot4:=dir_4+dir_13+dir_22+landa6 # Pengaruh Total Upah minimum Provi
nsi
tot5:=dir_5+dir_14+dir_23+landa7 # Pengaruh Total DUMMYKBI
tot6:=dir_6+dir_15+dir_24+landa8 # Pengaruh Total DUMMYINF
tot7:=dir_7+dir_16+dir_25+landa9 # Pengaruh Total DUMMYEDU
tot8:=dir_8+dir_17+dir_26+landa10 # Pengaruh Total DUMMYHEALTH
tot9:=dir_9+dir_18+dir_27+landa11 # Pengaruh Total DUMMYUMP
```

#Pengaruh Tidak Langsung Belanja infrastruktur, Belanja Pendidikan, Belanja Kesehatan dan Upah Minimum terhadap Penyerapan Tenaga Kerja Melalui Pertumbuhan Ekonomi

#Melalui Growth

```

dir_28:=beta1*alfa1 # Pengaruh tidak Langsung Belanja infrastruktur
terhadap Penyerapan tenaga kerja
dir_29:=beta1*alfa2 # Pengaruh tidak Langsung Belanja pendidikan ter
hadap Penyerapan tenaga kerja
dir_30:=beta1*alfa3 # Pengaruh tidak Langsung Belanja kesehatan terh
adap Penyerapan tenaga kerja
dir_41:=beta1*alfa4 # Pengaruh tidak Langsung Upah minimum provinsi
terhadap Penyerapan tenaga kerja
dir_42:= beta1*alfa5 # Perbedaan tidak Langsung DUMMYKBI terhadap Pe
nyerapan tenaga kerja
dir_43:= beta1*alfa6 # Perbedaan tidak Langsung DUMMYINF terhadap Pe
nyerapan tenaga kerja
dir_44:= beta1*alfa7 # Perbedaan tidak Langsung DUMMYEDU terhadap Pe
nyerapan tenaga kerja
dir_45:= beta1*alfa8 # Perbedaan tidak Langsung DUMMYHEALTH terhadap
Penyerapan tenaga kerja
dir_46:= beta1*alfa9 # Perbedaan tidak Langsung DUMMYUMP terhadap Pe
nyerapan tenaga kerja
"

```

Melakukan Pengujian Estimasi Model Pengaruh Tidak Langsung dan Pengaruh Total

```

AHDI.pathINA2<-sem(AHDI.modelINA2,data = DATA_AHDI_INA)

## Warning in lav_data_full(data = data, group = group, cluster = cluster, : lavaan
## WARNING: some observed variances are (at least) a factor 1000 times larger than
## others; use varTable(fit) to investigate

summary(AHDI.pathINA2,fit.measures=TRUE,rsquare=TRUE)

## lavaan 0.6-9 ended normally after 709 iterations
##
## Estimator ML
## Optimization method NLMINB
## Number of model parameters 78
##
## Number of observations 363
##
## Model Test User Model:
##
## Test statistic 0.000
## Degrees of freedom 0
##
## Model Test Baseline Model:
##
## Test statistic 16322.586
## Degrees of freedom 66
## P-value 0.000

```

```

##
## User Model versus Baseline Model:
##
##   Comparative Fit Index (CFI)                1.000
##   Tucker-Lewis Index (TLI)                 1.000
##
## Loglikelihood and Information Criteria:
##
##   Loglikelihood user model (H0)             -1364.595
##   Loglikelihood unrestricted model (H1)     -1364.595
##
##   Akaike (AIC)                             2885.190
##   Bayesian (BIC)                           3188.953
##   Sample-size adjusted Bayesian (BIC)      2941.493
##
## Root Mean Square Error of Approximation:
##
##   RMSEA                                     0.000
##   90 Percent confidence interval - lower    0.000
##   90 Percent confidence interval - upper    0.000
##   P-value RMSEA <= 0.05                    NA
##
## Standardized Root Mean Square Residual:
##
##   SRMR                                       0.000
##
## Parameter Estimates:
##
##   Standard errors                          Standard
##   Information                               Expected
##   Information saturated (h1) model         Structured
##
## Regressions:
##           Estimate  Std.Err  z-value  P(>|z|)
## Y1 ~
##   X1   (alf1)    0.652    0.103    6.359    0.000
##   X2   (alf2)    0.563    0.180    3.131    0.002
##   X3   (alf3)    0.154    0.210    0.734    0.463
##   X4   (alf4)   -0.486    0.138   -3.519    0.000
##   X5   (alf5)   -0.904    2.633   -0.343    0.731
##   X1X5 (alf6)   -0.186    0.161   -1.156    0.248
##   X2X5 (alf7)    0.627    0.258    2.429    0.015
##   X3X5 (alf8)   -0.626    0.270   -2.317    0.021
##   X4X5 (alf9)    0.435    0.167    2.613    0.009
## Y2 ~
##   Y1   (bet1)    0.193    0.022    8.892    0.000
##   X1   (bet2)   -0.438    0.045   -9.810    0.000

```



```

##      X2      (bet3)    0.865    0.075   11.503    0.000
##      X3      (bet4)    0.397    0.087    4.575    0.000
##      X4      (bet5)   -0.881    0.058   -15.205    0.000
##      X5      (bet6)   -3.455    1.087    -3.179    0.001
##     X1X5     (bet7)    0.173    0.066    2.603    0.009
##     X2X5     (bet8)    0.206    0.107    1.920    0.055
##     X3X5     (bet9)   -0.371    0.112   -3.300    0.001
##     X4X5     (bt10)    0.211    0.069    3.034    0.002
##   Y3 ~
##     Y1      (lnd1)    1.443    0.341    4.229    0.000
##     Y2      (lnd2)   -6.167    0.749   -8.233    0.000
##     X1      (lnd3)   -2.917    0.716   -4.074    0.000
##     X2      (lnd4)   10.041    1.253    8.012    0.000
##     X3      (lnd5)   -2.556    1.275   -2.005    0.045
##     X4      (lnd6)    1.125    1.058    1.064    0.287
##     X5      (lnd7)    1.028    0.385    2.069    0.008
##     X1X5     (lnd8)   -3.038    0.957   -3.176    0.001
##     X2X5     (lnd9)   -4.544    1.541   -2.948    0.003
##     X3X5     (ln10)    6.104    1.627    3.750    0.000
##     X4X5     (ln11)   -2.141    1.003   -2.135    0.033
##
## Covariances:
##              Estimate  Std.Err  z-value  P(>|z|)
##   X1 ~
##     X2              0.556    0.044   12.643    0.000
##     X3              0.558    0.044   12.740    0.000
##     X4              0.085    0.017    5.118    0.000
##     X5              0.099    0.020    4.977    0.000
##     X1X5            3.192    0.587    5.439    0.000
##     X2X5            3.251    0.594    5.471    0.000
##     X3X5            3.158    0.577    5.477    0.000
##     X4X5            1.440    0.284    5.066    0.000
##   X2 ~
##     X3              0.690    0.052   13.142    0.000
##     X4              0.073    0.019    3.827    0.000
##     X5              0.183    0.024    7.510    0.000
##     X1X5            5.677    0.721    7.878    0.000
##     X2X5            5.819    0.731    7.961    0.000
##     X3X5            5.643    0.709    7.958    0.000
##     X4X5            2.629    0.348    7.552    0.000
##   X3 ~
##     X4              0.134    0.020    6.791    0.000
##     X5              0.132    0.023    5.666    0.000
##     X1X5            4.168    0.686    6.078    0.000
##     X2X5            4.283    0.695    6.162    0.000
##     X3X5            4.182    0.675    6.196    0.000
##     X4X5            1.925    0.332    5.793    0.000

```

```

## X4 ~
## X5 -0.016 0.011 -1.448 0.148
## X1X5 -0.434 0.320 -1.359 0.174
## X2X5 -0.448 0.324 -1.385 0.166
## X3X5 -0.406 0.314 -1.293 0.196
## X4X5 -0.129 0.156 -0.832 0.405
## X5 ~
## X1X5 7.303 0.542 13.468 0.000
## X2X5 7.389 0.549 13.466 0.000
## X3X5 7.169 0.532 13.466 0.000
## X4X5 3.557 0.264 13.466 0.000
## X1X5 ~
## X2X5 216.382 16.062 13.471 0.000
## X3X5 209.926 15.583 13.471 0.000
## X4X5 104.022 7.727 13.463 0.000
## X2X5 ~
## X3X5 212.458 15.771 13.472 0.000
## X4X5 105.235 7.818 13.461 0.000
## X3X5 ~
## X4X5 102.123 7.586 13.462 0.000
##
## Variances:
## Estimate Std.Err z-value P(>|z|)
## X1 0.537 0.040 13.472 0.000
## X2 0.731 0.054 13.472 0.000
## X3 0.717 0.053 13.472 0.000
## X4 0.173 0.013 13.472 0.000
## X5 0.250 0.019 13.472 0.000
## X1X5 213.849 15.873 13.472 0.000
## X2X5 218.998 16.256 13.472 0.000
## X3X5 206.141 15.301 13.472 0.000
## X4X5 50.737 3.766 13.472 0.000
## .Y1 0.202 0.015 13.472 0.000
## .Y2 0.034 0.003 13.472 0.000
## .Y3 7.016 0.521 13.472 0.000
##
## R-Square:
## Estimate
## Y1 0.852
## Y2 0.965
## Y3 0.442
##
## Defined Parameters:
## Estimate Std.Err z-value P(>|z|)
## dir_1 0.940 0.267 3.521 0.000
## dir_2 0.812 0.323 2.516 0.012
## dir_3 0.223 0.308 0.723 0.470

```

##	dir_4	-0.701	0.259	-2.705	0.007
##	dir_5	-1.304	3.811	-0.342	0.732
##	dir_6	-0.268	0.240	-1.115	0.265
##	dir_7	0.905	0.430	2.106	0.035
##	dir_8	-0.903	0.445	-2.032	0.042
##	dir_9	0.628	0.282	2.223	0.026
##	dir_10	2.698	0.428	6.306	0.000
##	dir_11	-5.333	0.797	-6.695	0.000
##	dir_12	-2.451	0.613	-3.999	0.000
##	dir_13	5.432	0.750	7.240	0.000
##	dir_14	21.308	7.185	2.966	0.003
##	dir_15	-1.066	0.430	-2.482	0.013
##	dir_16	-1.272	0.680	-1.870	0.062
##	dir_17	2.287	0.747	3.063	0.002
##	dir_18	-1.298	0.456	-2.847	0.004
##	dir_19	-0.366	0.114	-3.201	0.001
##	dir_20	-0.316	0.132	-2.391	0.017
##	dir_21	-0.087	0.120	-0.720	0.471
##	dir_22	0.273	0.107	2.551	0.011
##	dir_23	0.508	1.486	0.342	0.732
##	dir_24	0.104	0.095	1.104	0.270
##	dir_25	-0.353	0.174	-2.031	0.042
##	dir_26	0.352	0.179	1.964	0.049
##	dir_27	-0.245	0.115	-2.135	0.033
##	tot1	0.355	0.737	0.482	0.630
##	tot2	5.204	1.170	4.448	0.000
##	tot3	-4.871	1.355	-3.595	0.000
##	tot4	6.129	0.887	6.909	0.000
##	tot5	99.483	17.022	5.844	0.000
##	tot6	-4.268	1.053	-4.052	0.000
##	tot7	-5.264	1.674	-3.144	0.002
##	tot8	7.839	1.730	4.531	0.000
##	tot9	-3.056	1.073	-2.847	0.004
##	dir_28	0.126	0.024	5.172	0.000
##	dir_29	0.108	0.037	2.953	0.003
##	dir_30	0.030	0.041	0.732	0.464
##	dir_41	-0.094	0.029	-3.272	0.001
##	dir_42	-0.174	0.508	-0.343	0.732
##	dir_43	-0.036	0.031	-1.146	0.252
##	dir_44	0.121	0.052	2.343	0.019
##	dir_45	-0.121	0.054	-2.242	0.025
##	dir_46	0.084	0.033	2.507	0.012