REFERENCES

Abdullah, L., & Pang, J. Y. (2016). Application of analytic hierarchy process for assessing sustainable development among underprivileged communities. *Journal of Sustainable Development, 9*(5), 70-82.

Adharani, Y., Nurlinda, I., Nadia, A., & Yusuf, S. (2019). *Jakarta Bay Reclamation: The Challenge Between Policy, Environmental and Social Impacts.* Paper presented at the IOP Conference Series: Earth and Environmental Science.

Alder, J., Pitcher, T. J., Preikshot, D., Kaschner, K., & Ferriss, B. (2000). How good is good?: A rapid appraisal technique for evaluation of the sustainability status of fisheries of the North Atlantic. *Fish. Cent. Res. Rep., 8*(2), 136-182.

Alfiani, N., Salihin, L. M. I., Usman, I., & Khairisa, N. H. (2019). Analisis Geospasial Sedimentasi Teluk Kendari Akibat Perkembangan Lahan Terbangun. *JAGAT (Jurnal Geografi Aplikasi dan Teknologi), 3*(2), 79-86.

Alwi, L. O. (2012). Kajian dampak dinamika penggunaan lahan Di DAS Wanggu terhadap sedimentasi di Teluk Kendari Sulawesi Tenggara. *Disertasi. IPB. 95hlm*.

Amalia, K., & Surdin, S. (2019). Persepsi masyarakat terhadap reklamasi Teluk Kendari di Kelurahan Tipulu Kecamatan Kendari Barat. *Jurnal Penelitian Pendidikan Geografi, 4*(4), 164-171.

Amelia, N., Subiyanto, S., & Wijaya, A. P. (2015). Pemetaan Zona Nilai Tanah Untuk Menentukan Nilai Jual Objek Pajak (NJOP) Menggunakan Sistem Informasi Geografis di Kecamatan Pedurungan, Kota Semarang. *Jurnal Geodesi UNDIP, 4*(1), 160-171.

Apriyanto, H. (2007). Kebijakan pengelolaan teluk berbasis daerah aliran sungai (studi kasus Teluk Kendari). *Jurnal Sains dan Teknologi Indonesia, 9*(3), 149-155.

Ariyani. (2020). *Land Cover Change and Coastal Sustainability in the Coastal Area of Kendari Bay, Southeast Sulawesi, Indonesia.* (Thesis), Griffith University,

Armid, A., Shinjo, R., Zaeni, A., Sani, A., & Ruslan, R. (2014). The distribution of heavy metals including Pb, Cd and Cr in Kendari Bay surficial sediments. *Marine pollution bulletin, 84*(1-2), 373-378.

Arumova, E., Belyaeva, E., Bitarova, M., & Panaseykina, V. (2019). *Green Economy as a Direction of Sustainable Development of Coastal Areas.* Paper presented at the 5th International Conference on Economics, Management, Law and Education (EMLE 2019).

Asrial, E., Hamid, H., Rahmawati, A., Kalih, L. A. T. T. W. S., & Nuryadin, R. (2017). Measuring Sustainability Performance of Coastal Waters Resources Management. *Journal of Biodiversity and Environmental Sciences (JBES), 11*.

Atkinson, G., Dubourg, R., Hamilton, K., Munasinghe, M., Pearce, D., & Young, C. (1997). *Measuring sustainable development: macroeconomics and the environment*: Edward Elgar Publishing Ltd.

Baffoe, G. (2019). Exploring the utility of Analytic Hierarchy Process (AHP) in ranking livelihood activities for effective and sustainable rural development interventions in developing countries. *Evaluation and program planning, 72*, 197-204.

Bange, H. W., Bathmann, U., Behrens, J., Dahlke, F., Ebinghaus, R., Ekau, W., . . . Hornidge, A.-K. (2017). World ocean review 2015: Living with the oceans 5. Coasts - A vital habitat under pressure. In: Maribus.

Basiago, A. D. (1998). Economic, social, and environmental sustainability in development theory and urban planning practice. *Environmentalist, 19*(2), 145-161.

Baumgärtner, S., & Quaas, M. (2010). Sustainability economics — General versus specific, and conceptual versus practical. *Ecological economics, 69*(11), 2056-2059. doi:10.1016/j.ecolecon.2010.06.018

Berry, L. H., Koski, J., Verkuijl, C., Strambo, C., & Piggot, G. (2019). *Making space: how public participation shapes environmental decision-making*: JSTOR.

Bianchini, A., Cento, F., Guzzini, A., Pellegrini, M., & Saccani, C. (2019). Sediment management in coastal infrastructures: Techno-economic and environmental impact assessment of alternative technologies to dredging. *Journal of environmental management, 248*, 109332.

Bisaro, A. (2019). Coastal adaptation through urban land reclamation: Exploring the distributional effects. *DIE ERDE–Journal of the Geographical Society of Berlin, 150*(3), 131-144.

Black, A. W. (2004). The Quest for Sustainable, Healthy Communities. *Australian journal of environmental education, 20*(1), 33-44. doi:10.1017/S0814062600002287

Bochańczyk-Kupka, D., & Pęciak, R. (2015). Institutions in the context of sustainable development. *The Macrotheme Review, 4*(5), 29-41.

Böhringer, C., & Jochem, P. E. (2007). Measuring the immeasurable—A survey of sustainability indices. *Ecological economics, 63*(1), 1-8.

Borden, R. J. (2017). Psychological dimensions of sustainability: minding the future from a human-ecological perspective. *Current opinion in environmental sustainability, 25*, 45-49.

Brodhag, C., & Talière, S. (2006). Sustainable development strategies: Tools for policy coherence. *Natural Resources Forum, 30*(2), 136-145. doi:10.1111/j.1477-8947.2006.00166.x

Bryman, A. (2003). *Quantity and quality in social research* (Vol. 18): Routledge.

Central Bureau of Statistics Kendari. (2020a). *Kendari Municipality in Figures 2020*. Retrieved from https://kendarikota.bps.go.id/publication

Central Bureau of Statistics Kendari. (2020b). *Statistik Daerah Kota Kendari 2020*. Retrieved from https://kendarikota.bps.go.id/publication

Choi, Y. R. (2014). Modernization, Development and Underdevelopment: Reclamation of Korean tidal flats, 1950s–2000s. *Ocean & Coastal Management, 102*, 426-436. doi:10.1016/j.ocecoaman.2014.09.023

Chong, A., & Gradstein, M. (2007). Inequality and institutions. *The Review of Economics and Statistics, 89*(3), 454-465.

Collier, M. J., Nedović-Budić, Z., Aerts, J., Connop, S., Foley, D., Foley, K., . . . Verburg, P. (2013). Transitioning to resilience and sustainability in urban communities. *Cities, 32*, S21-S28.

Comission, O. (2008). *Assessment of the environmental impact of land reclamation*. Retrieved from London:

Commission, E. (2014). *Coastal zones: Achieving sustainable management (Thematic issue)*. Retrieved from

Creswell, J. W. (2003). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*: SAGE Publications.

Creswell, J. W. (2014). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*: SAGE Publications.

Čuček, L., Klemeš, J. J., & Kravanja, Z. (2012). A Review of Footprint analysis tools for monitoring impacts on sustainability. *Journal of Cleaner Production, 34*, 9-20. doi:10.1016/j.jclepro.2012.02.036

Dahdouh-Guebas, F. (2002). The use of remote sensing and GIS in the sustainable management of tropical coastal ecosystems. *Environment, development and sustainability, 4*(2), 93-112.

Dawkins, C. J. (2003). Regional development theory: conceptual foundations, classic works, and recent developments. *Journal of planning literature, 18*(2), 131-172.

Deng, J., Lin, Y., Zhou, M., Wu, C., Chen, B., Xiao, G., & Cai, J. (2019). Ecosystem services dynamics response to tremendous reclamation in a coastal island city. *Ecosystem Health and Sustainability, 5*(1), 155-168.

Dhiman, R., Kalbar, P., & Inamdar, A. B. (2018). GIS coupled multiple criteria decision making approach for classifying urban coastal areas in India. *Habitat International, 71*, 125-134.

Dhimitri, E., Gabeta, A., & Bello, M. (2015). Regional development theories and models, a comparative analyse. *The USV Annals of Economics and Public Administration, 15*(2 (22)), 50-58.

Djainal, H. (2012). Reklamasi pantai dan pengaruhnya terhadap lingkungan fisik di wilayah kepesisiran Kota Ternate. *Jurnal Lingkungan Sultan Agung, 1*(1), 16-28.

Dovers, S. (2001). Institutions for sustainability. In: Australian National University, Economics and Environment Network.

Economist, T. (2015). *Coastal Governance Index 2015*. Retrieved from California:

Edyanto, C. H. (2016). Faktor-Faktor yang Berpengaruh dalam Proses Reklamasi untuk Mengantisipasi Bencana di Lingkungan Pantai. *Jurnal Sains dan Teknologi Mitigasi Bencana, 11*(1), 1-11.

Eizenberg, E., & Jabareen, Y. (2017). Social sustainability: A new conceptual framework. *Sustainability, 9*(1), 68.

Elobeid, D. (2012). The role of institutions in sustainable development: The experience of Sudan economy. *OIDA International Journal of Sustainable Development, 4*(5), 53-68.

Fauzi, A., & Anna, S. (2002). Evaluasi status keberlanjutan pembangunan perikanan. Aplikasi Pendekatan Rapfish. *Jurnal Jurusan Sosial Ekonomi Perikanan FPIK IPB*, 43-55.

Fiksel, J. R., Eason, T., & Frederickson, H. (2012). A framework for sustainability indicators at EPA.

Forman, E. H., & Gass, S. I. (2001). The analytic hierarchy process—an exposition. *Operations research, 49*(4), 469-486.

Godfrey, L., & Todd, C. (2001). Defining thresholds for freshwater sustainability indicators within the context of South African water resource management. *Practice, Cases. Cape Town, South Africa*.

Goodland, R., & Daly, H. (1995). Universal environmental sustainability and the principle of integrity. In *Perspectives on ecological integrity* (pp. 102-124): Springer.

Gunawan, F., & Sumarlam, S. (2018). *The Polemic of Kendari Beach Reclamation on Online Media (Critical Discourse Analysis).* Paper presented at the International Seminar on Recent Language, Literature, and Local Cultural Studies (BASA 2018).

Hammer, J., & Pivo, G. (2017). The triple bottom line and sustainable economic development theory and practice. *Economic Development Quarterly, 31*(1), 25-36.

Handadari, A. S. K., Soesilo, T. E. B., & Pranowo, W. S. (2018). Indeks keberlanjutan sumber daya laut dan pesisir di lokasi reklamasi Teluk Benoa Bali. *Jurnal Kelautan Nasional, 13*(3), 121-136.

Haya, L. O. M. Y., & Fujii, M. (2020). Assessment of coral reef ecosystem status in the Pangkajene and Kepulauan Regency, Spermonde Archipelago, Indonesia, using the rapid appraisal for fisheries and the analytic hierarchy process. *Marine policy, 118*, 104028.

Heintel, M., Wanner, A., & Weixlbaumer, N. (2018). Regional development between cohesion and competition – Current theses and fields of action. *European Countryside, 10*(3), 516-527.

Hezri, A. A., & Dovers, S. R. (2006). Sustainability indicators, policy and governance: Issues for ecological economics. *Ecological economics, 60*(1), 86-99. doi:10.1016/j.ecolecon.2005.11.019

Hiremath, R. B., Balachandra, P., Kumar, B., Bansode, S. S., & Murali, J. (2013). Indicator-based urban sustainability—A review. *Energy for sustainable development, 17*(6), 555-563. doi:10.1016/j.esd.2013.08.004

Hoeksema, R. J. (2007). Three stages in the history of land reclamation in the Netherlands. *Irrigation and drainage, 56*(S1), S113-S126. doi:10.1002/ird.340

Holden, E., Linnerud, K., & Banister, D. (2014). Sustainable development: Our Common Future revisited. *Global environmental change, 26*(1), 130-139. doi:10.1016/j.gloenvcha.2014.04.006

Hyun, K.-C., Min, S., Choi, H., Park, J., & Lee, I.-M. (2015). Risk analysis using fault-tree analysis (FTA) and analytic hierarchy process (AHP) applicable to shield TBM tunnels. *Tunnelling and Underground Space Technology, 49*, 121-129.

Ido, I., Karim, J., & Yunarni, Y. (2019). Analisis Pemanfaatan Ruang Pesisir Terhadap Kondisi Luas Dan Kerapatan Vegetasi Hutan Mangrove Di Teluk Kendari. *Physical and Social Geography Research Journal, 1*(1), 35-44.

IOC/UNESCO, IMO, FAO, & UNDP. (2011). *A blue print for ocean and coastal sustainability*. Retrieved from Paris:

Jaya, L. M. G. (2013). Change in Land Cover Analysis in The Gulf Coast Kendari Using High Resolution Satellite Image (Period: 2003-2009). *Forum Geografi, 27 (2)*, 179-188.

JICA. (n.d.). Ovreview of Urban and Regional Development. In Approaches for Systematic Planning of Development Projects.

Jin, Y., Yang, W., Sun, T., Yang, Z., & Li, M. (2016). Effects of seashore reclamation activities on the health of wetland ecosystems: A case study in the Yellow River Delta, China. *Ocean & Coastal Management, 123*, 44-52. doi:10.1016/j.ocecoaman.2016.01.013

Jovovic, R., Draskovic, M., Delibasic, M., & Jovovic, M. (2017). The concept of sustainable regional development – institutional aspects, policies and prospects. *Journal of International Studies, 10*(1), 255-266. doi:10.14254/2071-8330.2017/10-1/18

Karrasch, L., Klenke, T., & Woltjer, J. (2014). Linking the ecosystem services approach to social preferences and needs in integrated coastal land use management–A planning approach. *Land Use Policy, 38*, 522-532.

Kavanagh, P. (2001). Rapid appraisal of fisheries (RAPFISH) project. *Fisheries Center, University of British Colombia, Vancouver Canada*.

Kavanagh, P., & Pitcher, T. J. (2004). Implementing Microsoft Excel software for Rapfish: a technique for the rapid appraisal of fisheries status.

Kendari City Government. (2015). *Rencana Program Investasi Infrastruktur Jangka Menengah (RPI2JM) Bidang Cipta Karya Kota Kendari Tahun 2016 - 2020*. Retrieved from https://sippa.ciptakarya.pu.go.id/sippa_online/ws_file/dokumen/rpi2jm/1473237805RPI2JM_2016-2020.pdf

Kholil, K., Dharoko, T. A., & Widayati, A. (2015). Pendekatan Multi Dimensional Scaling Untuk Evaluasi Keberlanjutan Waduk Cirata-Propinsi Jawa Barat (Multidimensional Scaling Approach to Evaluate Sustainability of Cirata Reservoir–West Java Province). *Jurnal Manusia dan Lingkungan, 22*(1), 22-31.

Kim, M., You, S., Chon, J., & Lee, J. (2017). Sustainable land-use planning to improve the coastal resilience of the social-ecological landscape. *Sustainability, 9*(7), 1086.

Laurent, A., & Owsianiak, M. (2017). Potentials and limitations of footprints for gauging environmental sustainability. *Current opinion in environmental sustainability, 25*, 20-27. doi:10.1016/j.cosust.2017.04.003

Limi, M. A. (2018). *Dampak Pembangunan Kawasan Pesisir dan Perubahan Lingkungan Terhadap Kondisi Sosial Ekonomi Budaya (Suatu Studi pada Nelayan di Teluk Kendari).* (Dissertation), Halu Oleo University, Kendari.

Limi, M. A., Sara, L., La Ola, T., & Yunus, L. (2017). Environmental changes and fisherman welfare in coastal area of Kendari Bay. *Agriculture, Forestry and Fisheries, 6*(1), 20-25.

Lister, M. (2007). Institutions, inequality and social norms: Explaining variations in participation. *The British Journal of Politics and International Relations, 9*(1), 20-35.

Liyubayina, V. (2018). Analisis Dampak Reklamasi Teluk Banten (Studi Kasus: Kecamatan Bojonegara). *Jurnal Planesa, 9*(1), 37-46.

Ma, K.-w. (2014). A study of Hong Kong reclamation policy and its environmental impact. *HKU Theses Online (HKUTO)*.

Mahida, M., & Permana, G. P. (2019). Pendekatan multidimensional scaling untuk evaluasi status keberlanjutan danau maninjau. *Jurnal Sosial Ekonomi Pekerjaan Umum, 11*(1), 29-43.

McKenzie, S. (2004). Social sustainability: towards some definitions.

Mensah, J., & Ricart Casadevall, S. (2019). Sustainable development: Meaning, history, principles, pillars, and implications for human action: Literature review. *Cogent social sciences, 5*(1). doi:10.1080/23311886.2019.1653531

Montenegro, L. O., Diola, A. G., & Remedio, E. M. (2005). *Environmental costs of coastal reclamation in Metro Cebu, Philippines*: EEPSEA, IDRC Regional Office for Southeast and East Asia, Singapore, SG.

Morelli, J. (2011). Environmental sustainability: A definition for environmental professionals. *Journal of environmental sustainability, 1*(1), 2.

Nababan, B. O., Sari, Y. D., & Hermawan, M. (2007). Analisis keberlanjutan perikanan tangkap skala kecil di Kabupaten Tegal Jawa Tengah (teknik pendekatan Rapfish). *Jurnal Sosial Ekonomi Kelautan dan Perikanan, 2*(2), 137-158.

Neumann, B., Ott, K., & Kenchington, R. (2017). Strong sustainability in coastal areas: a conceptual interpretation of SDG 14. *Sustainability science, 12*(6), 1019-1035.

North, D. C. (1991). Institutions. *Journal of economic perspectives, 5*(1), 97-112.

North, D. C. (2016). Institutions and economic theory. *The american economist, 61*(1), 72-76.

Nugroho, T., Tadjuddah, M., & Mustafa, A. (2018). Sistem Informasi Sumberdaya Perairan di Perairan Teluk Kendari. *Jurnal Manajemen Sumber Daya Perairan, 3*(3).

OECD. (2001). *OECD Environmental Strategy for the First Decade of the 21st Century: Adopted by OECD Environmental Ministers*. Retrieved from

Pan, S.-Y., Gao, M., Kim, H., Shah, K. J., Pei, S.-L., & Chiang, P.-C. (2018). Advances and challenges in sustainable tourism toward a green economy. *Science of the Total Environment, 635*, 452-469.

Pellegrini, M., Abbiati, M., Bianchini, A., Colangelo, M. A., Guzzini, A., Mikac, B., . . . Willemsen, A. (2020). Sustainable Sediment Management in Coastal Infrastructures Through an Innovative Technology: Preliminary Results of the MARINAPLAN PLUS LIFE Project. *Journal of Soils and Sediments, 20*(6), 2685-2696.

Persada, C. (2014). Determination sustainability status in urban infrastructure and policy recommendation for development case study: Bandarlampung City, Indonesia. *Civil and Environmental Research, 6*(12), 49-60.

Pike, A., Rodríguez-Pose, A., & Tomaney, J. (2007). What kind of local and regional development and for whom? *Regional studies, 41*(9), 1253-1269.

Pinar, M., Cruciani, C., Giove, S., & Sostero, M. (2014). Constructing the FEEM sustainability index: A choquet integral application. *Ecological indicators, 39*, 189-202.

Pitcher, T., Lam, M., Ainsworth, C., Martindale, A., Nakamura, K., Perry, R., & Ward, T. (2013). Improvements to Rapfish: a rapid evaluation technique for fisheries integrating ecological and human dimensionsa. In: Wiley Online Library.

Pitcher, T. J. (1999). Rapfish, a rapid appraisal technique for fisheries, and its application to the Code of Conduct for Responsible Fisheries. *FAO Fisheries Circular (FAO)*.

Pitcher, T. J., & Preikshot, D. (2001). RAPFISH: a rapid appraisal technique to evaluate the sustainability status of fisheries. *Fisheries Research, 49*(3), 255-270.

Priyandes, A., & Majid, M. R. (2009). Impact of reclamation activities on the environment case study: reclamation in northern coast of Batam. *Jurnal Alam Bina, 15*(1).

Reyes, G. E. (2001). Four main theories of development: modernization, dependency, word-system, and globalization. *Nómadas. Revista Crítica de Ciencias Sociales y Jurídicas, 4*(2), 109-124.

Rodríguez-Pose, A., & Storper, M. (2006). Better rules or stronger communities? On the social foundations of institutional change and its economic effects. *Economic geography, 82*(1), 1-25.

Rosen, M. A. (2018). Issues, concepts and applications for sustainability. *Glocalism Journal of Culture, Politics, and Innovation, 3*.

Rosen, M. A. (2020). Sustainability: Concepts, definitions, and applications. In *Building Sustainable Cities* (pp. 15-26): Springer.

Ruslin, M., Ramli, M., & Nurgayah, W. (2019). Kepadatan Dan Pola Distribusi Saccostrea Cucullata Di Perairan Teluk Kendari. *Jurnal Sapa Laut (Jurnal Ilmu Kelautan), 4*(3), 135-142.

Saaty, T. L. (2003). Decision-making with the AHP: Why is the principal eigenvector necessary. *European journal of operational research, 145*(1), 85-91.

Saaty, T. L. (2004). Decision making—the analytic hierarchy and network processes (AHP/ANP). *Journal of systems science and systems engineering, 13*(1), 1-35.

Saaty, T. L. (2008). Decision making with the analytic hierarchy process. *International journal of services sciences, 1*(1), 83-98.

Safaruddin, S., Abdullah, M., & Oktaviani, S. (2020). Analisis Potensi dan Kontribusi Pajak Bumi dan Bangunan Terhadap Pendapatan Asli Daerah Kota Kendari (Studi Pada Badan Pengelola Pajak dan Restribusi Daerah Kota Kendari). *JURNAL AKUNTANSI DAN KEUANGAN, 5*(2).

Saith, A. (2006). From universal values to millennium development goals: Lost in translation. *Development and change, 37*(6), 1167-1199.

Sandirasegaran, K., & Manap, N. (2016). Impacts of dredging and reclamation projects. *Jurnal Teknologi, 78*(3), 139-143.

Sari, I. R. (2017). Pendugaan Sebaran Total Suspended Solid Berdasarkan Data Citra Satelit Di Perairan Teluk Kendari. *Jurnal Sapa Laut (Jurnal Ilmu Kelautan), 2*(1), 1-7.

Saunders, W. S. A., & Becker, J. S. (2015). A discussion of resilience and sustainability: Land use planning recovery from the Canterbury earthquake sequence, New Zealand. *International journal of disaster risk reduction, 14*, 73-81. doi:10.1016/j.ijdrr.2015.01.013

Schaefer, A., & Crane, A. (2005). Addressing sustainability and consumption. *Journal of macromarketing, 25*(1), 76-92.

Scipioni, A., Mazzi, A., Mason, M., & Manzardo, A. (2009). The Dashboard of Sustainability to measure the local urban sustainable development: The case study of Padua Municipality. *Ecological indicators, 9*(2), 364-380. doi:10.1016/j.ecolind.2008.05.002

Setiawan, M. A. (2010). *Analisis kinerja dan status keberlanjutan kawasan minapolitan Bontonompo, Kabupaten Gowa, Provinsi Sulawesi Selatan.* IPB University,

Sevilla, N. P. M., Adeath, I. A., Le Bail, M., & Ruiz, A. C. (2019). Coastal Development: Construction of a Public Policy for the Shores and Seas of Mexico. In *Coastal Management* (pp. 21-38): Elsevier.

Sihombing, S., Subiyanto, S., & Amarrohman, F. J. (2018). Analisis Perubahan Nilai Tanah Akibat Perkembangan Fisik Dengan Menggunakan Metode Sistem Informasi Geografis (Studi Kasus: Kecamatan Tembalang). *Jurnal Geodesi UNDIP, 7*(3), 11-21.

Spangenberg, J. (2002). Towards indicators for institutional sustainability: lessons from an analysis of Agenda 21. *Ecological indicators, 2*(1-2), 61-77. doi:10.1016/s1470-160x(02)00050-x

Stenhouse, L. (1975). An introduction to curriculum research and development.

Supardi, S., Hariyadi, S., & Fahrudin, A. (2017). Analisis Keberlanjutan Pembangunan Kota Tepian Pantai (Studi Kasus: Kota Baubau Provinsi Sulawesi Tenggara). *Jurnal Wilayah dan Lingkungan, 5*(3), 188-204.

Talen, E. (2019). Urban and Regional Sustainability. In M. M. Fischer & P. Nijkamp (Eds.), *Handbook of Regional Science* (pp. 1-13). Berlin, Heidelberg: Springer Berlin Heidelberg.

Tanguay, G. A., Rajaonson, J., Lefebvre, J.-F., & Lanoie, P. (2010). Measuring the sustainability of cities: An analysis of the use of local indicators. *Ecological indicators, 10*(2), 407-418. doi:10.1016/j.ecolind.2009.07.013

Todaro, M. P., & Smith, S. C. (2012). Economic development 11th edition.

Tomaney, J. (2010). *Place-based approaches to regional development: global trends and Australian implications*: Australian Business Foundation Sydney.

Torjman, S. (2000). *The social dimension of sustainable development*: Citeseer.

Triantaphyllou, E., & Mann, S. H. (1995). Using the analytic hierarchy process for decision making in engineering applications: some challenges. *International journal of industrial engineering: applications and practice, 2*(1), 35-44.

Turner, R. K. (2000). Integrating natural and socio-economic science in coastal management. *Journal of marine systems, 25*(3-4), 447-460.

UN-DESA. (2017). *The Sustainable Development Goals Report 2017*. Retrieved from New York:

UNCTAD. (2018). *Achieving the sustainable development goals in the least developed countries — A compendium of policy options*. Retrieved from New York:

Vargas, L. G. (1990). An overview of the analytic hierarchy process and its applications. *European journal of operational research, 48*(1), 2-8.

Vázquez, P., del Río, J. A., Cedano, K. G., Martínez, M., & Jensen, H. J. (2015). An Entangled Model for Sustainability Indicators. *PLoS ONE, 10*(8), e0135250. doi:10.1371/journal.pone.0135250

Veeramony, J., Li, C., Sheremet, A., Myers III, E. P., Xia, M., & Mitchell, S. (2020). Estuarine and coastal natural hazards: An introduction and synthesis. In: Elsevier.

Wang, W., Liu, H., Li, Y., & Su, J. (2014). Development and management of land reclamation in China. *Ocean & Coastal Management, 102*, 415-425. doi:10.1016/j.ocecoaman.2014.03.009

WCED. (1987). *Report of the World Commission on Environment and Development: Our common future*. Retrieved from http://www.un-documents.net/wced-ocf.htm

Widiatmaka, W., Munibah, K., Sitorus, S. R., Ambarwulan, W., & Firmansyah, I. (2015). Appraisal keberlanjutan multidimensi penggunaan lahan untuk sawah di Karawang-Jawa Barat. *Jurnal Kawistara, 5*(2).

Williams, C. (2007). Research methods. *Journal of Business & Economics Research (JBER), 5*(3).

Wisha, U. J., Tanto, T. A., Pranowo, W. S., & Husrin, S. (2018). Current movement in Benoa Bay water, Bali, Indonesia: Pattern of tidal current changes simulated for the condition before, during, and after reclamation. *Regional Studies in Marine Science, 18*, 177-187. doi:https://doi.org/10.1016/j.rsma.2017.10.006

Wong, P., Losada, I., Gattuso, J., Hinkel, J., Khattabi, A., McInnes, K., . . . Sallenger, A. (2014). Coastal systems and low-lying areas. Climate change 2014: Impacts, adaptation, and vulnerability. Part A: Global and sectoral aspects. Contribution of working group II to the fifth assessment report of the Intergovernmental Panel on Climate Change. In: Cambridge: Cambridge University Press.

Xu, X. F., He, Q.-q., Song, D., Yang, Z.-l., & Yu, L.-l. (2018). Comparison of hydrodynamic influence between different types of bay reclamations. *Journal of Hydrodynamics, 30*(4), 694-700. doi:10.1007/s42241-018-0075-9

Xu, Y., Cai, Y., Sun, T., & Tan, Q. (2017). A multi-scale integrated modeling framework to measure comprehensive impact of coastal reclamation activities in Yellow River estuary, China. *Marine Pollution Bulletin, 122*(1-2), 27-37.

Yang, Y. (2018). Hydrodynamic and ecological impacts of land reclamation in semi-enclosed bay. *HKU Theses Online (HKUTO)*.

Yurnita, A., Trisutomo, S., & Ali, M. (2017). *Assessing the sustainable development of coastal reclamation: a case of Makassar using GIS application.* Paper presented at the IOP Conf. Ser. Earth Environ. Sci.

Zhai, T., & Chang, Y.-C. (2018). Standing of Environmental Public-Interest Litigants in China: Evolution, Obstacles and Solutions. *Journal of Environmental Law, 30*(3), 369-397. doi:10.1093/jel/eqy011

Zhe, Z. H. U. G. X. X. W. H. L. T. F. (2017). The ecological cost of land reclamation and its enlightenment to coast sustainable development in the northwestern Bohai Bay,China. *海洋学报：英文版, 36*(4), 97-104. doi:10.1007/s13131-017-1016-0

Appendix 1. Research Questionnaire (RAPFISH)

Sustainable Status Assessment

Research Title	:	"Sustainability Status Assessment of Kendari Bay Reclamation Areas in Kendari City, Southeast Sulawesi, Indonesia"
Researcher	:	Yudha Yuliansyah, Undergraduate Student of Hasanuddin University, Regional and Development Planning
Supervisor	:	1. Prof. Dr. Dadang A. Suriamihardja, M.Eng. 2. Dr. Peter Davey
Objective	:	To assess the sustainability status of Kendari Bay reclamation areas in Kendari City, Southeast Sulawesi Province in 4 (four) dimensions of sustainability: environmental, social, economic, and legal and institutional.
Disclaimer	:	All data and information provided in this questionnaire will only be used for research purposes, not for publication, and kept confidential. Thank you for participate in this research.

Respondent Identity

Number of Questionnaire	:
Date	:
Name	:
Age	:
Sex/Gender	:
Profession/position	:
Education	:

Instruction

In the following questions/ statements, please give a value/score for each attribute in each group of sustainability dimensions according to current conditions. The score for each attribute can be selected according to a predetermined range of sustainability attribute criteria. The rating range is "0" for bad or unsustainable, up to "2" for good or sustainable.

Sustainability Status Analysis

Environmental Dimension			
No	**Attributes**	**Remarks**	**Score**
1	Mangrove habitat	Level of damage: (0) High (1) Moderate (2) Low	
2	Fishery resources	(0) Reduced greatly (1) Reduced slightly (2) Unchanged	
3	Sedimentation	(0) High (1) Moderate (2) Low	
4	Floods and inundation	Frequency: (0) Frequent (1) Occasionally (2) None	
5	Water pollution	(0) Increase highly (1) Increase slightly (2) Unchanged	

Social Dimension			
No	**Attributes**	**Remarks**	**Score**
1	Public perception	(0) Disagree (1) Neutral (2) Agree	
2	Livelihood change	(0) Exists in various types of jobs (1) Exists in a limited amount (2) None	
3	Social interaction	Frequency and intensity: (0) Unchanged (1) Increased slightly and seldom (2) Increasing and frequent	
4	Community behaviour	(0) Low (1) Moderate (2) high	
5	Public participation	In policy determination and / or development activities: (0) None (1) Exists in a limited amount (2) Exists and actively involved	

Economic Dimension			
No	**Attributes**	**Remarks**	**Score**
1	Household income	(0) Decreasing (1) Unchanged (2) Increasing	
2	Regional income	(0) Unchanged (1) Increased slightly (2) Increased highly	
3	Employment opportunity	(0) None (1) Exists in a limited amount (2) Exists in various types of jobs	
4	Entrepreneurial chance	(0) None (1) Exists in a limited amount (2) Exists in various types of business	
5	Land value increases	(0) Normal (1) Increased Slightly (2) Increased slightly	

Legal and Institutional Dimension			
No	**Attributes**	**Remarks**	**Score**
1	Policy Synchronization	Among related institutions: (0) Out of sync (1) Less sync (2) Sync	
2	Existence of fisherman group	(0) Decreased and inactive (1) Decreased and active (2) Fixed or increased in number and active	
3	Establishment of specific agency	(0) Does not exist (1) Exist yet inactive (2) Exist and active	
4	Study of coastal vulnerability	(0) Seldom (1) Frequent but limited to certain institutions (2) Frequent and carried out by various related institutions as well as across sectors	
5	Socialization of environmental laws	(0) Never (1) Seldom (2) Often	

Appendix 2. Research Questionnaire (AHP)

Analytic Hierarchy Process

Research Title	:	"Sustainability Status Assessment of Kendari Bay Reclamation Areas in Kendari City, Southeast Sulawesi, Indonesia"
Researcher	:	Yudha Yuliansyah, Undergraduate Student of Hasanuddin University, Regional and Development Planning
Supervisor	:	1. Prof. Dr. Dadang A. Suriamihardja, M.Eng. 2. Dr. Peter Davey
Objective	:	To determine the priority scale for several alternatives strategy/policy to improve the sustainability status of Kendari Bay reclamation areas
Disclaimer	:	All data and information provided in this questionnaire will only be used for research purposes, not for publication, and kept confidential. Thank you for participate in this research

Respondent Identity

Number of Questionnaire	:
Date	:
Name	:
Age	:
Sex/Gender	:
Profession/position	:
Education	:

Instruction

In each of the following policy alternative statements, please check (√) which statement is more important (right or left) and how important it is on a scale of 1-9. The definition of a rating scale of 1-9 is as follows:

Intensity of importance	Definition (Explanation)
1	Equal importance (Two criteria/alternative equally important)
3	Moderate importance (Criterion/alternative A is slightly more important than criterion/alternative B)
5	Strong importance (Criterion/alternative A is strongly more important than criterion/alternative B)
7	Very strong importance (Criterion/alternative A is very strongly more important than criterion/alternative B)
9	Extreme importance (Criterion/alternative A is absolutely more important than criterion/alternative B
2,4,6, and 8	(Intermediate values between the adjacent numbers)

Example:

Left column	Filled if the criteria in the left column are more important than the criteria in the right column									Filled if the criteria in the right column are more important than the criteria in the left column								Right column
	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	
Criterion 1									✓									Criterion 2
Criterion 2																		Criterion 3
Criterion 3					✓													Criterion 4
Criterion 4																		Criterion 5
Criterion 5																		Criterion 6
Criterion 6																	✓	Criterion 7
Criterion 7																		Criterion 1

If criterion 3 is slightly more important than criterion 4

If criteria 1 and 2 are equally important

If criterion 7 is absolutely more important than criterion 6

Question:

1. In the context of sustainable management of the reclamation area in Kendari Bay, which aspect or dimension do you think is more important?

Dimension	Fill if the dimensions in the left column are more important than the dimensions in the right column									Fill if the dimensions in the right column are more important than the dimensions in the left column								Dimension
	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	
Environmental																		Social
Environmental																		Economy
Environmental																		Legal & Institutional
Social																		Economy
Social																		Legal & Institutional
Economy																		Legal & Institutional

2. In the context of sustainable management of the reclamation area in Kendari Bay, in your opinion, which alternative strategy/policy is more important regarding the environmental dimension?

Alternative strategy	Fill if the strategy in the left column is more important than the strategy in the right column									Fill if the strategy in the right column is more important than the strategy in the left column								Alternative strategy
	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	
Sediment management																		Sustainable urban spatial management
Sediment management																		Participatory decision making
Sediment management																		Education and assistance
Sediment management																		Land value adjustment
Sediment management																		Green economy
Sediment management																		Establishment of specific agency
Sediment management																		Collaborative approach
Sustainable urban spatial management																		Participatory decision making

Sustainable urban spatial management																	Education and assistance
Sustainable urban spatial management																	Land value adjustment
Sustainable urban spatial management																	Green economy
Sustainable urban spatial management																	Establishment of specific agency
Sustainable urban spatial management																	Collaborative approach
Participatory decision making																	Education and assistance
Participatory decision making																	Land value adjustment
Participatory decision making																	Green economy
Participatory decision making																	Establishment of specific agency
Participatory decision making																	Collaborative approach
Education and assistance																	Land value adjustment
Education and assistance																	Green economy
Education and assistance																	Establishment of specific agency
Education and assistance																	Collaborative approach
Land value adjustment																	Green economy
Land value adjustment																	Establishment of specific agency
Land value adjustment																	Collaborative approach
Green economy																	Establishment of specific agency

Green economy																	Collaborative approach
Establishment of specific agency																	Collaborative approach

3. In the context of sustainable management of the reclamation area in Kendari Bay, in your opinion, which alternative strategy/policy is more important related to the social dimension?

Alternative strategy	Fill if the strategy in the left column is more important than the strategy in the right column									Fill if the strategy in the right column is more important than the strategy in the left column								Alternative strategy
	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	
Sediment management																		Sustainable urban spatial management
Sediment management																		Participatory decision making
Sediment management																		Education and assistance
Sediment management																		Land value adjustment
Sediment management																		Green economy
Sediment management																		Establishment of specific agency
Sediment management																		Collaborative approach
Sustainable urban spatial management																		Participatory decision making
Sustainable urban spatial management																		Education and assistance
Sustainable urban spatial management																		Land value adjustment
Sustainable urban spatial management																		Green economy
Sustainable urban spatial management																		Establishment of specific agency

Sustainable urban spatial management																	Collaborative approach
Participatory decision making																	Education and assistance
Participatory decision making																	Land value adjustment
Participatory decision making																	Green economy
Participatory decision making																	Establishment of specific agency
Participatory decision making																	Collaborative approach
Education and assistance																	Land value adjustment
Education and assistance																	Green economy
Education and assistance																	Establishment of specific agency
Education and assistance																	Collaborative approach
Land value adjustment																	Green economy
Land value adjustment																	Establishment of specific agency
Land value adjustment																	Collaborative approach
Green economy																	Establishment of specific agency
Green economy																	Collaborative approach
Establishment of specific agency																	Collaborative approach

4. In the context of sustainable management of the reclamation area in Kendari Bay, in your opinion, which alternative strategy/policy is more important related to the economic dimension?

Alternative strategy	Fill if the strategy in the left column is more important than the strategy in the right column									Fill if the strategy in the right column is more important than the strategy in the left column								Alternative strategy
	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	
Sediment management																		Sustainable urban spatial management
Sediment management																		Participatory decision making
Sediment management																		Education and assistance
Sediment management																		Land value adjustment
Sediment management																		Green economy
Sediment management																		Establishment of specific agency
Sediment management																		Collaborative approach
Sustainable urban spatial management																		Participatory decision making
Sustainable urban spatial management																		Education and assistance
Sustainable urban spatial management																		Land value adjustment
Sustainable urban spatial management																		Green economy
Sustainable urban spatial management																		Establishment of specific agency
Sustainable urban spatial management																		Collaborative approach
Participatory decision making																		Education and assistance
Participatory decision making																		Land value adjustment

Participatory decision making																	Green economy
Participatory decision making																	Establishment of specific agency
Participatory decision making																	Collaborative approach
Education and assistance																	Land value adjustment
Education and assistance																	Green economy
Education and assistance																	Establishment of specific agency
Education and assistance																	Collaborative approach
Land value adjustment																	Green economy
Land value adjustment																	Establishment of specific agency
Land value adjustment																	Collaborative approach
Green economy																	Establishment of specific agency
Green economy																	Collaborative approach
Establishment of specific agency																	Collaborative approach

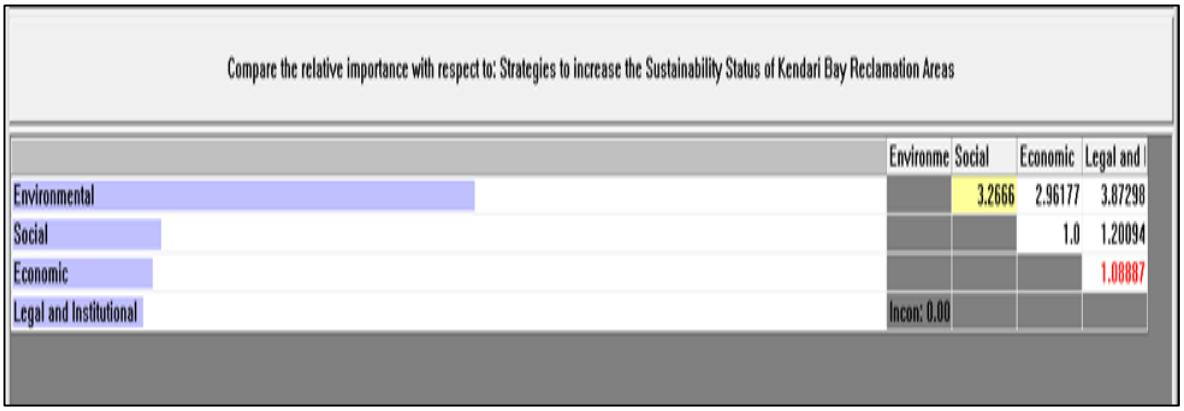
5. In the context of sustainable management of the reclamation area in Kendari Bay, in your opinion, which alternative strategy/policy is more important in terms of legal and institutional dimensions?

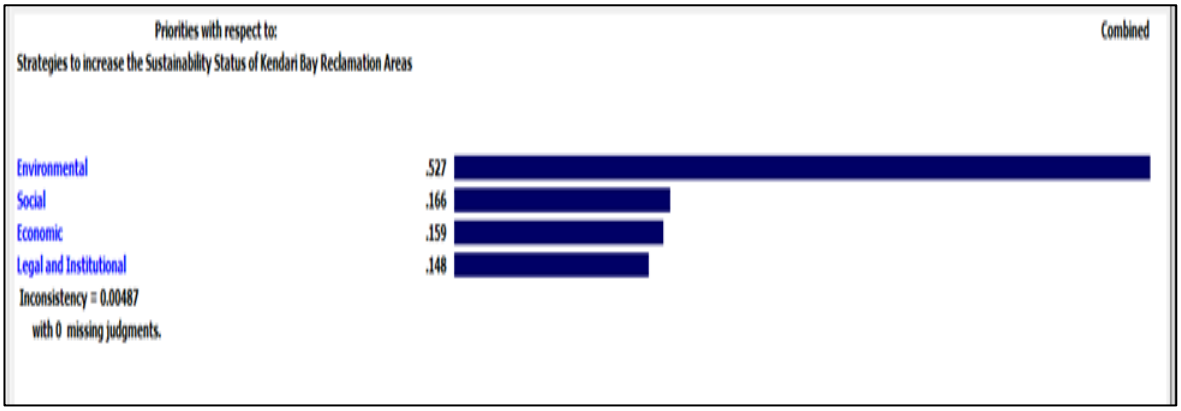
Alternative strategy	Filled if the strategy in the left column is more important than the strategy in the right column									Filled if the strategy in the right column is more important than the strategy in the left column								Alternative strategy
	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	
Sediment management																		Sustainable urban spatial management
Sediment management																		Participatory decision making
Sediment management																		Education and assistance
Sediment management																		Land value adjustment
Sediment management																		Green economy
Sediment management																		Establishment of specific agency
Sediment management																		Collaborative approach
Sustainable urban spatial management																		Participatory decision making
Sustainable urban spatial management																		Education and assistance
Sustainable urban spatial management																		Land value adjustment
Sustainable urban spatial management																		Green economy
Sustainable urban spatial management																		Establishment of specific agency
Sustainable urban spatial management																		Collaborative approach
Participatory decision making																		Education and assistance
Participatory decision making																		Land value adjustment

Participatory decision making																	Green economy
Participatory decision making																	Establishment of specific agency
Participatory decision making																	Collaborative approach
Education and assistance																	Land value adjustment
Education and assistance																	Green economy
Education and assistance																	Establishment of specific agency
Education and assistance																	Collaborative approach
Land value adjustment																	Green economy
Land value adjustment																	Establishment of specific agency
Land value adjustment																	Collaborative approach
Green economy																	Establishment of specific agency
Green economy																	Collaborative approach
Establishment of specific agency																	Collaborative approach

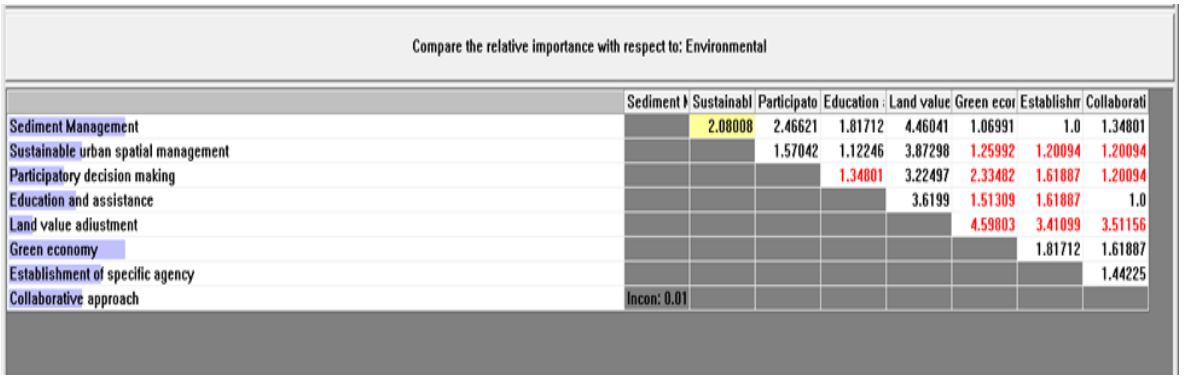
Appendix 3. Results of AHP Analysis using Expert Choice 11 Software

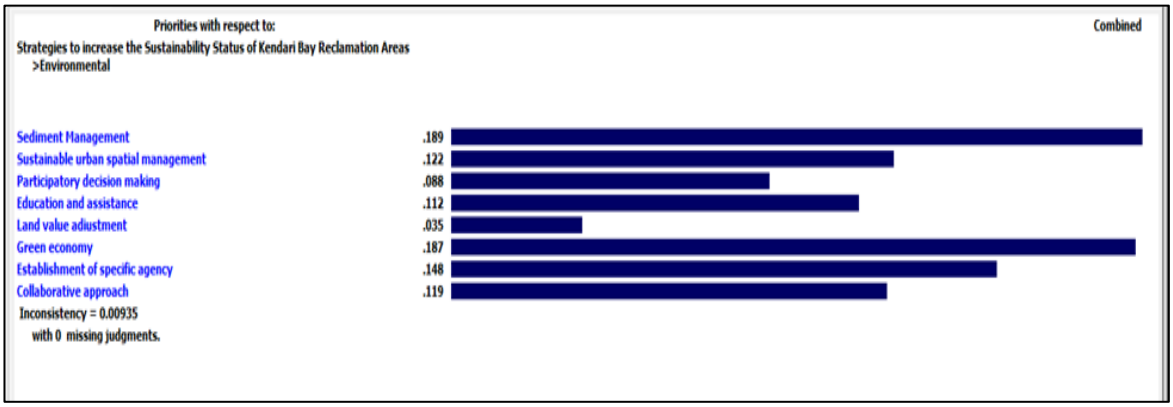
A. Comparative Judgement on Dimension



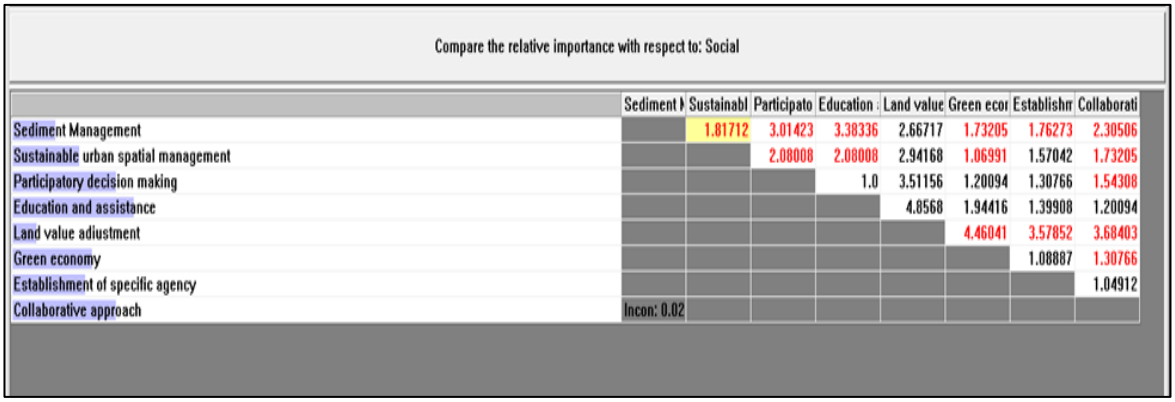


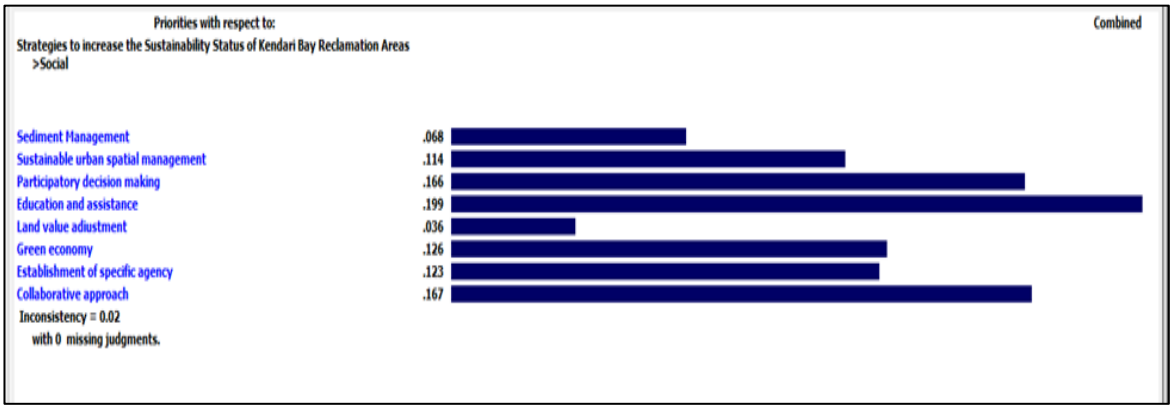
B. Comparative Judgement on Environmental





C. Comparative Judgement on Social

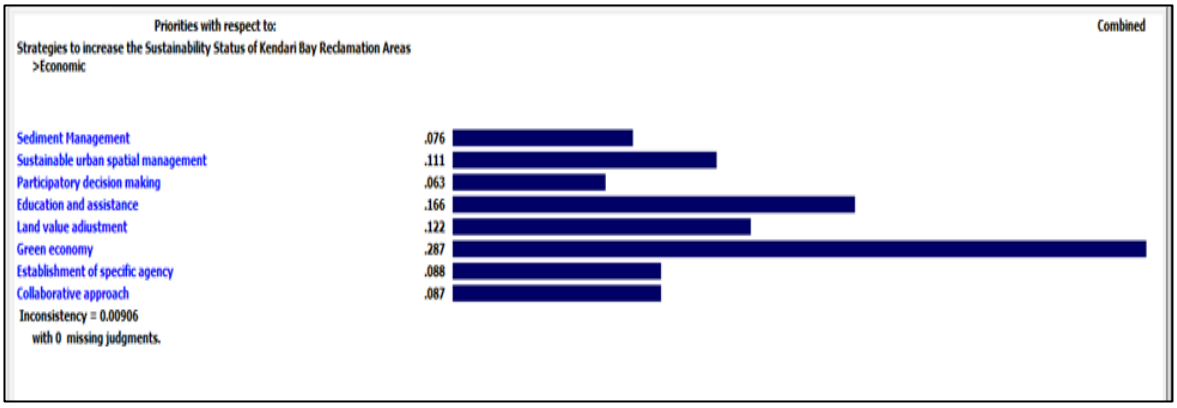




D. Comparative Judgement on Economic

Compare the relative importance with respect to: Economic

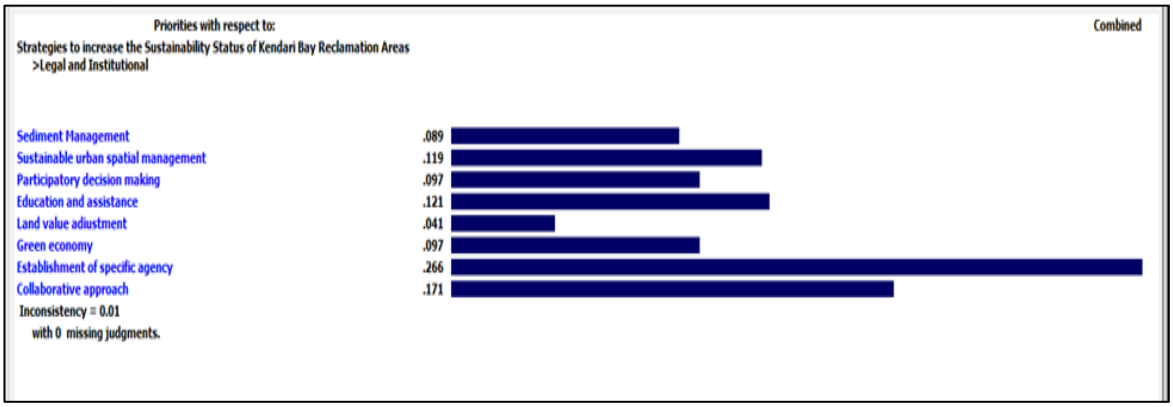
	Sediment M	Sustainabl	Participato	Education	Land value	Green ecor	Establishm	Collaborati
Sediment Management		1.57042	1.20094	1.9786	1.76273	3.34468	1.20094	1.06991
Sustainable urban spatial management			2.37618	1.94416	1.44225	3.32447	1.51309	1.44225
Participatory decision making				2.85364	1.94416	3.6199	1.20094	1.44225
Education and assistance					1.20094	1.81712	1.94416	1.81712
Land value adiustment						2.85364	1.44225	1.0
Green economy							2.72004	3.42704
Establishment of specific agency								1.20094
Collaborative approach	Incon: 0.01							



E. Comparative Judgement on Legal and Institutional

Compare the relative importance with respect to: Legal and Institutional

	Sediment M	Sustainabl	Participato	Education	Land value	Green ecor	Establishm	Collaborati
Sediment Management		1.30766	1.48675	2.08008	2.33482	1.20094	3.2821	2.08008
Sustainable urban spatial management			1.06991	1.12246	2.80397	1.73205	2.5423	1.2849
Participatory decision making				1.12246	2.96177	1.12246	2.5423	1.73205
Education and assistance					3.05315	1.06991	2.72004	1.54308
Land value adiustment						3.01824	4.40942	3.71411
Green economy							2.80397	2.22551
Establishment of specific agency								1.61887
Collaborative approach	Incon: 0.01							


Priorities with respect to:
Combined
Strategies to increase the Sustainability Status of Kendari Bay Reclamation Areas
>Legal and Institutional
Sediment Management .089
Sustainable urban spatial management .119
Participatory decision making .097
Education and assistance .121
Land value adiustment .041
Green economy .097
Establishment of specific agency .266
Collaborative approach .171
Inconsistency = 0.01
with 0 missing judgments.