

DAFTAR PUSTAKA

- Acharya, V. V., dan Pedersen, L. H., 2005. Asset Pricing with Liquidity Risk. *Journal of Financial Economics* 77 (2), 375–410.
- Alzyadat, J. A., dan Evan Asfoura. 2021. The Effect of COVID-19 Pandemic on Stock Market: An Empirical Study in Saudi Arabia. *Journal of Asian Finance, Economics and Business*, 8 (5):0913-0921. <https://doi.org/10.13106/jafeb.2021.vol8.no5.0913>
- Amihud, Y., 2002. Illiquidity and Stock Returns: Cross-section and Time-series Effects. *Journal of Financial Markets* 5 (1), 31-56.
- Amihud, Y., Mendelson, H., dan Pedersen, L. H. 2006. Liquidity and Asset Prices. *Foundations and Trends in Finance*, 1(4), 269-364. <https://doi.org/10.1561/0500000003>
- Anh, D. L., dan Gan, C. 2020. The impact of the covid-19 lockdown on stock market performance: Evidence from Vietnam. *Journal of Economic Studies*. <https://doi.org/10.1108/jes-06-2020-0312>
- Azis, M., Burhanuddin, dan Heni Rahayu. 2021. Stock Price of Pandemic Covid-19 in Stock Market Performance. *Universal Journal of Accounting and Finance*, 9(2): 184-190. <https://doi.org/10.13189/ujaaf.2021.090206>
- Baker Scott R., Nicholas Bloom, Steven J Davis, Kyle Kost, Marco Sammon, dan Tasaneeya Viratyosin. 2020. The Unprecedented Stock Market Reaction to Covid-19. *The Review of Asset Pricing Studies*, 10: 742-758. <https://doi.org/10.1093/raps/raaa008>
- Będowska-Sójka, B. dan Echaust, K. 2020. What is the best proxy for liquidity in the presence of extreme illiquidity?. *Emerging Markets Review*, Vol. 43, 100695. <https://doi.org/10.1016/j.ememar.2020.100695>
- Bonaccorsi, G., Francesco Pierri, Matteo Cinelli, dan Fabio Pammolli. 2020. Economic and social consequences of human mobility restrictions under COVID-19. *Proc. Natl. Acad. Sci.* 117, 15530-15535. <https://doi.org/10.1073/pnas.2007658117>
- Brennan, M. J., Chordia, T., Subrahmanyam, A., dan Tong, Q. 2012. Sell-order liquidity and the cross-section of expected stock returns. *Journal of Financial Economics*, 105(3), 523-541. <https://doi.org/10.1016/j.jfineco.2012.04.006>
- Brunnermeier, M. K. dan Pedersen, L. H., 2009. Market Liquidity and Funding Liquidity. *Review of Financial Studies* 22 (6), 2201-2238.



Buszko, Michał, Witold Orzeszko, dan Marcin Stawarz. 2021. COVID-19 Pandemic and Stability of Stock Market - A sectoral approach. *Plos One*, 16(5): e0250938. <https://doi.org/10.1371/journal.pone.0250938>

Carvalho, V. M., Juan R Garcia, Stephen Hansen, Álvaro Ortiz, Tomasa Rodrigo, José V Rodríguez Mora, dan Pep Ruiz. 2020. Tracking the COVID-19 Crisis with High-Resolution Transaction Data. *Tech. Rep., CEPR Discussion Paper No. DP14642*. <https://doi.org/10.1098/rsos.210218>

Chai, D., Faff, R., dan Gharghori, P. 2010. New evidence on the relation between stock liquidity and measures of trading activity. *International Review of Financial Analysis*, 19 (3): 181-192. <https://doi.org/10.1016/j.irfa.2010.02.005>

Chan, Kam Fong, Zhuo Chen, Yuanji Wen, dan Tong Xu. 2022. COVID-19 Vaccines and Global Stock Markets. *Finance Research Letters*, Vol47: 102774, Part B. <https://doi.org/10.1016/j.frl.2022.102774>

Chang, S., Emma Pierson, Pang Wei Koh, Joline Gerardin, Beth Redbird, David Grusky, dan Jure Leskovec. 2020. Mobility network models of COVID-19 explain inequities and inform reopening. *Nature* 589: 82-87. <https://doi.org/10.1038/s41586-020-2923-3>

Chebbi, K, Mohammed Abdullah Ammer, dan Affan Hameed. 2021. The COVID-19 pandemic and stock liquidity: Evidence from S&P 500. *The Quarterly Review of Economics and Finance*, 81: 134-142. <https://doi.org/10.1016/j.qref.2021.05.008>

Chen, C.D., Chen, C.C., Tang, W., dan Huang, B. 2009. The positive and negative impacts of the SARS outbreak: A case of the Taiwan industries. *The Journal of Developing Areas*, 43(1), 281-293. <https://doi.org/10.1353/jda.0.0041>

Chen, M. P., Chen, P. F., dan Lee, C. C. 2013. Asymmetric effects of investor sentiment on industry stock returns: Panel data evidence. *Emerging Markets Review*, 14(1), 35-54.

Chen, M. H., Jang, S. S., dan Kim, W. G. 2007. The impact of the SARS outbreak on Taiwanese hotel stock performance: An event-study approach. *International Journal of Hospitality Management*, 26(1): 200-212.

Chetty, R., John N. Friedman, Nathaniel Hendren, dan Michael Stepner. 2020. How did COVID-19 and stabilization policies affect spending and employment? A New Real-Time Economic Tracker Based on Private Sector Data. *Tech. Rep., National Bureau of Economic Research*.

Chordia, T., Roll, R., Subrahmanyam, A. 2001. Market Liquidity and Trading Activity. *J. Finance*, 56 (2): 501-530. <https://doi.org/10.1111/0022-1082.00335>

nti, N., Titik Mildawati, dan Fitriah Dwi Susilowati. 2021. Dampak Covid-19 Terhadap Perubahan Saham dan Return Saham. *Ekuitas: Jurnal*



Ekonomi dan Keuangan, 4 (4): 462-480.
<https://doi.org/10.24034/j25485024.v2020.v4.i4.4624>

Datar, V.T., Naik, N.Y., dan Radcliffe, R., 1998. Liquidity and stock returns: an alternative test. *Journal of Financial Market*, 1 (2): 203-219.

Ellington, M. 2018. Financial market illiquidity shocks and macroeconomic dynamics: Evidence from the UK. *Journal of Banking & Finance*, 89: 225-236. <https://doi.org/10.1016/j.jbankfin.2018.02.013>

Fama, E. F. 1970. Efficient Capital Markets: A Review of Theory and Empirical Work. *The Journal of Finance*, 25(2), 383–417. <https://doi.org/10.2307/2325486>

Fernández-Villaverde, J. dan Jones, C. I. 2020. Macroeconomic outcomes and COVID-19: A progress report. Working Paper 28004, National Bureau of Economic Research. <https://doi.org/10.3386/w28004>

Ghozali, I. 2016. Aplikasi Analisis Multivariete Dengan Program IBM SPSS 23. Edisi 8. Semarang: Badan Penerbit Universitas Diponegoro.

Goyenko, R. Y., Holden, C. W., dan Trzcinka, C. A. 2009. Do liquidity measures measure liquidity? *Journal of Financial Economics*, 92 (2): 153-181. <https://doi.org/10.1016/j.jfineco.2008.06.002>.

Hall, M. (2022). *Governments' Influence on Markets*. Investopedia. <https://www.investopedia.com/articles/economics/11/how-governments-influence-markets.asp>

Harper, D. (2022). *Forces That Move Stock Prices*. Investopedia. <https://www.investopedia.com/articles/basics/04/100804.asp>

Hartono, Jogyianto 2015. *Teori Portofolio dan Analisis Investasi*. Edisi Kesepuluh. Yogyakarta: BPFE

Hong, H., Zhicun Bian, dan Chien-Chiang Lee. 2021. COVID-19 and instability of stock market performance: evidence from the U.S.. *Financial Innovation*, 7:12. <https://doi.org/10.1186/s40854-021-00229-1>

Ichev, R. dan Marinc, M. 2018. Stock prices and geographic proximity of information: Evidence from the Ebola outbreak. *International Review of Financial Analysis*, 56: 153-166.

Jay, J., Jacob Bor, Elaine O. Nsoesie, Sarah K. Lipson, David K. Jones, Sandro Galea, dan Julia Raifman. 2020. Neighborhood income and physical distancing during the COVID-19 pandemic in the United States. *Nat. Hum. Behav.*, 4: 1294-1302. <https://doi.org/10.1038/s41562-020-00998-2>

A., Irfan, dan Manurung S. 2014. Metodologi Penelitian Bisnis: Konsep dan Aplikasi. Medan: UMSU Press.



- Just, M. dan Krzysztof Echaust. 2020. Stock market returns, volatility, correlation and liquidity during the COVID-19 crisis: Evidence from the Markov switching approach. *Finance Research Letters*, 37: 101775. <https://doi.org/10.1016/j.frl.2020.101775>
- Kang, W. dan Zhang, H. 2014. Measuring liquidity in emerging markets. *Pacific Basin Finance Journal*, 27 (1): 49-71. <https://doi.org/10.1016/j.pacfin.2014.02.001>
- Kusumastuti, A., Amad, M. K., dan Taofan, A. A. 2020. *Metode Penelitian Kuantitatif*. Sleman: Penerbit Deepublish.
- Lee, J. C. 2015. Econometric measures of liquidity. In C. F. Lee & J. C. Lee (Eds.), *Handbook of financial econometrics and statistics*: 1312-1322. Springer. <https://doi.org/10.1007/978-1-4614-7750-1>
- Levine, R. 1991. Stock Markets, Growth, and Tax Policy. *Journal of Finance* 46 (4): 1445-1465.
- Levine, R., Zervos, S. 1998. Stock Markets, Banks, and Economic Growth. *American Economic Review*: 537-558.
- Marozva, G. dan Magwedere, M.R. 2021. COVID-19 and Stock Market Liquidity: An Analysis of Emerging and Developed Markets. *Scientific Annals of Economics and Business*, 68(2): 129-144.
- Marshall, B. R., Nguyen, N. H., dan Visaltanachoti, N. 2013. Liquidity measurement in frontier markets. *Journal of International Financial Markets, Institutions & Money*, 27: 1-12. <https://doi.org/10.1016/j.intfin.2013.07.011>
- Naik, P. dan Y.V. Reddy. 2021. Stock Market Liquidity: A Literature Review. *SAGE Open*. 1-15. <https://doi.org/10.1177/2158244020985529>
- Nguyen, C. T., Phan Thanh Hai, dan Huyen Khanh Nguyen. 2021. Stock market returns and liquidity during the COVID-19 outbreak: evidence from the financial services sector in Vietnam. *Asian Journal of Economics and Banking*, 5(3): 324-342. <https://doi.org/10.1108/AJEB-06-2021-0070>
- Nneji, O. 2015. Liquidity shocks and stock bubbles. *Journal of International Financial Markets, Institutions and Money*, 35: 132-146. <https://doi.org/10.1016/j.intfin.2014.12.010>
- Nugroho, A. D. dan Robiyanto. 2021. Determinant of Indonesian Stock Market's Volatility During the Covid-19 Pandemic. *Jurnal Keuangan dan Perbankan*, 25(1): 1-20. <https://doi.org/10.26905/jkdp.v25i1.4980>
- Okorie, D. I. dan Boqiang Lin. 2021. Stock Markets and the COVID-19 Fractal Contagion Effects. *Finance Research Letters*, 38: 101640. <https://doi.org/10.1016/j.frl.2020.101640>



Polyakova, M., Kocks, G., Udalova, V. dan Finkelstein, A. 2020. Initial economic damage from the COVID-19 pandemic in the United States is more widespread across ages and geographies than initial mortality impacts. *Proc. Natl. Acad. Sci.* 117: 27934-27939. <https://doi.org/10.1073/pnas.2014279117>

Qadan, M., Aharon, D.Y. 2019. The Length of the Trading Day and Trading Volume. *Eurasian Business Review*, 9 (2): 137–156. <https://doi.org/10.1007/s40821-019-00119-8>

Rahmayani, D. dan Shanty Oktavilia. 2020. Does the Covid-19 Pandemic Affect the Stock Market in Indonesia?. *Jurnal Ilmu Sosial dan Politik*, 24: 33-47. <https://doi.org/10.22146/jsp.56432>

Reddy, S., Wadhwa, K., dan Goyal, A. 2017. Determinants of commonality in liquidity: Evidence from an order-driven emerging market. *North American Journal of Economics and Finance*, 42: 38-52. <https://doi.org/10.1016/j.najef.2017.07.003>

Scharnowski, S. 2020. Understanding Bitcoin Liquidity. *Finance Research Letters*. Article in Press. <https://doi.org/10.1016/j.frl.2020.101477>

Sekaran, Uma dan Roger Bougie. 2016. *Research Methods for Business: A Skill Building Approach*. Jerman: Wiley.

Sawidji Widioatmodjo. 2005. *New Business Model*. Jakarta: Elex Media Komputindo.

Sheridan, A., Andersen, A. L., Hansen, E. T., dan Johannesen, N. 2020. Social distancing laws cause only small losses of economic activity during the covid-19 pandemic in scandinavia. *Proc. Natl. Acad. Sci.* 117: 20468-20473.

Spelta, A., Paolo Pagntoni. 2021. Mobility-based Real-time Economic Monitoring amid the COVID-19 Pandemic. *Sci Rep* 11: 13069. <https://doi.org/10.1038/s41598-021-92134-x>

Sugiyono. 2019. *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif dan R&D*. Bandung: Alfabeta.

Suharsimi Arikunto. 2002. *Prosedur Suatu Penelitian: Pendekatan Praktek*. Jakarta: Rineka Cipta.

Sutrisno, Bagus Panuntun, dan Fikri Irfan Adristi. 2021. Pandemic Impact of Covid-19 on the Stock Market Index and Return of Stock Market Index (Event Study on Stock Market Index in ASEAN Exchange). *MODUS*, 33 (1): 47-66. <https://doi.org/10.24002/modus.v33i1.4068>

Y. D. dan Dewi Hanggraeni. 2021. The Impact of COVID-19 Pandemic on Stock Market Performance in Indonesia. *Journal of Asian Finance*,



Economics and Business, 8 (5): 0777-0784.
<https://doi.org/10.13106/jafeb.2021.vol8.no5.0777>

World Bank. 2019. A Literature Review: Capital Markets Development Causes, Effects, and Sequencing. Washington: The World Bank.

Zaremba, A., David Y. Aharon, Ender Demir, Renatas Kizys, dan Dariusz Zawadka. 2021. Covid-19, Government Policy Responses, and Stock Market Liquidity Around the World: A Note. *Research in International Business and Finance*: 56, 101359.
<https://doi.org/10.1016/j.ribaf.2020.101359>

Zhang, P., Jieying Gao, dan Xingchao Li. 2021. Stock Liquidity and Firm Value in the Time of Covid-19 Pandemic. *Emerging Markets Finance and Trade*, 57(6): 1578-1591. <https://doi.org/10.1080/1540496X.2021.1898368>

Web:

<https://covid19.go.id/p/regulasi> Diakses Tanggal 13 September 2021

www.who.int Diakses Tanggal 17 Januari 2022

www.idx.co.id Diakses Tanggal 12 April 2022

[https://www.ojk.go.id](http://www.ojk.go.id) Diakses Tanggal 5 Juni 2022



LAMPIRAN



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Lampiran 1: Statistik Deskriptif

. xtsum turn psbb psbbt ppkm ppkmm ppkmd vaccine c1 c2 c3 c4 c5_

Variable		Mean	Std. dev.	Min	Max	Observations	
turn	overall	.2842464	.4631471	.01	8.13	N = 12274	
	between	.2574395	.0430031	1.204087			n = 38
	within	.3872583	-.8398403	7.21016			
psbb	overall	.0773994	.267235	0	1	N = 12274	
	between		0	.0773994	.0773994		n = 38
	within		.267235	0	1		
psbbt	overall	.4705882	.4991545	0	1	N = 12274	
	between		0	.4705882	.4705882		n = 38
	within		.4991545	0	1		
ppkm	overall	.0650155	.2465632	0	1	N = 12274	
	between		0	.0650155	.0650155		n = 38
	within		.2465632	0	1		
ppkmm	overall	.2972136	.45705	0	1	N = 12274	
	between		0	.2972136	.2972136		n = 38
	within		.45705	0	1		
ppkmd	overall	.0897833	.2858827	0	1	N = 12274	
	between		0	.0897833	.0897833		n = 38
	within		.2858827	0	1		
vaccine	overall	.4458204	.4970762	0	1	N = 12274	
	between		0	.4458204	.4458204		n = 38
	within		.4970762	0	1		
c1	overall	-.0018918	.0624535	-1.06	.25	N = 12274	
	between		.0014034	-.0044582	.0024458		n = 38
	within		.0624381	-1.060003	.2456624		
c2	overall	-.0018853	.0624772	-1.06	.25	N = 12274	
	between		.0013925	-.0043344	.0024458		n = 38
	within		.062462	-1.059873	.2456689		
c3	overall	.0229558	.058112	0	1.06	N = 12274	
	between		.0044439	.0151703	.0324768		n = 38
	within		.0579463	-.0095209	1.058838		
c4	overall	.0234056	.0277944	0	.27	N = 12274	
	between		.0043808	.0156966	.0324768		n = 38
	within		.0274562	-.0090712	.2705263		
c5_	overall	2634.654	1556.966	1	5490	N = 12274	
	between		1155.233	617.1424	4794.015		n = 38
	within		1060.469	-2058.361	6811.704		



Lampiran 2: Variance Inflation Factor

. vif, uncentered

Variable	VIF	1/VIF
vaccine	6.18	0.161756
ppkmm	4.12	0.242821
c5_	3.81	0.262325
c3	3.04	0.329479
psbbt	2.84	0.351717
c1	2.59	0.386432
c4	2.49	0.400882
psbb	2.00	0.499682
ppkm	1.58	0.631688
c2	1.13	0.882082
Mean VIF		2.98

Lampiran 3a: Regresi Data Panel (dengan variabel kontrol)

. xtregar turn psbb psbbt ppkm ppkmm ppkmd vaccine c1 c2 c3 c4 c5_, re
note: ppkmd omitted because of collinearity.

RE GLS regression with AR(1) disturbances
Number of obs = 12,274
Group variable: shares_ Number of groups = 38

R-squared:
Within = 0.1819
Between = 0.3049
Overall = 0.1609

Obs per group:
min = 323
avg = 323.0
max = 323

corr(u_i, Xb) = 0 (assumed)

Wald chi2(11) = 1977.13
Prob > chi2 = 0.0000

turn	Coefficient	Std. err.	z	P> z	[95% conf. interval]
psbb	.0180501	.05001	0.36	0.718	-.0799677 .1160678
psbbt	.1706298	.0449321	3.80	0.000	.0825645 .2586952
ppkm	.2054497	.0300301	6.84	0.000	.1465918 .2643075
ppkmm	.042229	.0218882	1.93	0.054	-.000671 .085129
ppkmd	0 (omitted)				
vaccine	.0501037	.0402013	1.25	0.213	-.0286895 .1288968
c1	2.299816	.0588494	39.08	0.000	2.184474 2.415159
c2	.2397661	.0410236	5.84	0.000	.1593614 .3201709
c3	2.595502	.0637002	40.75	0.000	2.470651 2.720352
c4	1.249913	.1782048	7.01	0.000	.900638 1.599188
c5_	9.49e-06	4.30e-06	2.21	0.027	1.07e-06 .0000179
_cons	.0451632	.059782	0.76	0.450	-.0720075 .1623338
rho_ar	.59212034				(estimated autocorrelation coefficient)
sigma_u	.23459185				
sigma_e	.28530424				
rho_fov	.40337602				(fraction of variance due to u_i)
theta	.83704245				



Lampiran 3b: Regresi Data Panel (tanpa variabel kontrol)

```
. xtregar turn_ psbb psbbt ppkm ppkmm ppkmd vaccine, re
note: ppkmd omitted because of collinearity.

RE GLS regression with AR(1) disturbances      Number of obs      = 12,274
Group variable: shares_                      Number of groups   =    38

R-squared:                                         Obs per group:
    Within = 0.0476                               min =        323
    Between = 0.0000                             avg =     323.0
    Overall = 0.0304                            max =        323

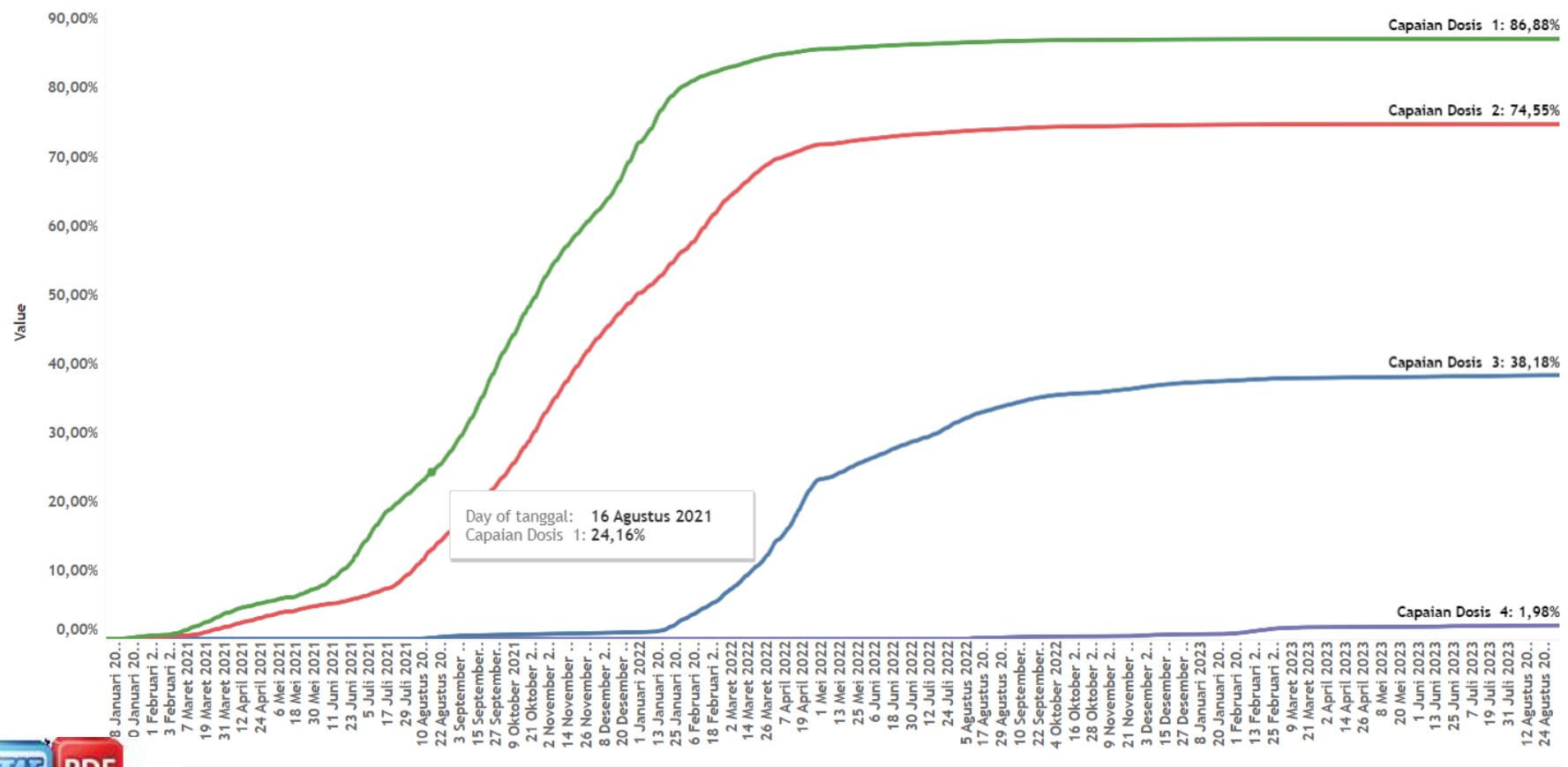
Wald chi2(6) = 114.09
corr(u_i, Xb) = 0 (assumed)
Prob > chi2 = 0.0000
```

turn_	Coefficient	Std. err.	z	P> z	[95% conf. interval]
psbb	10.17223	4.052857	2.51	0.012	2.228779 18.11568
psbbt	16.79865	3.671698	4.58	0.000	9.602259 23.99505
ppkm	19.28882	2.565505	7.52	0.000	14.26052 24.31711
ppkmm	3.707942	1.877912	1.97	0.048	.0273021 7.388582
ppkmd	0	(omitted)			
vaccine	3.879795	3.244024	1.20	0.232	-2.478375 10.23796
_cons	14.52633	5.139791	2.83	0.005	4.452521 24.60013
rho_ar	.62324203	(estimated autocorrelation coefficient)			
sigma_u	22.307377				
sigma_e	23.004154				
rho_fov	.48462616	(fraction of variance due to u_i)			
theta	.85018616				

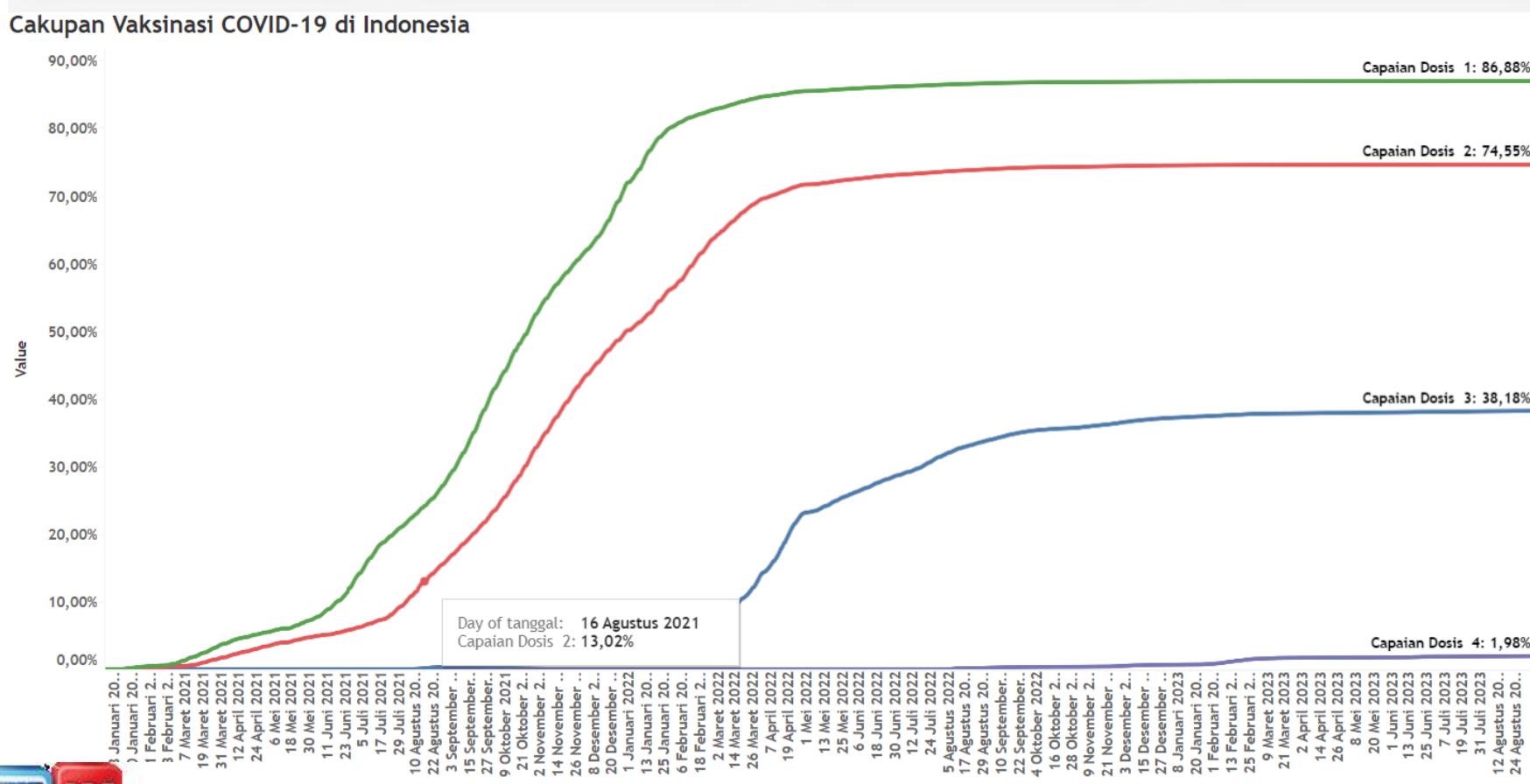


Lampiran 4a: Cakupan Vaksinasi Covid-19 Dosis 1

Cakupan Vaksinasi COVID-19 di Indonesia



Lampiran 4b: Cakupan Vaksinasi Covid-19 Dosis 2



Lampiran 4c: Cakupan Vaksinasi Covid-19 Dosis 3

