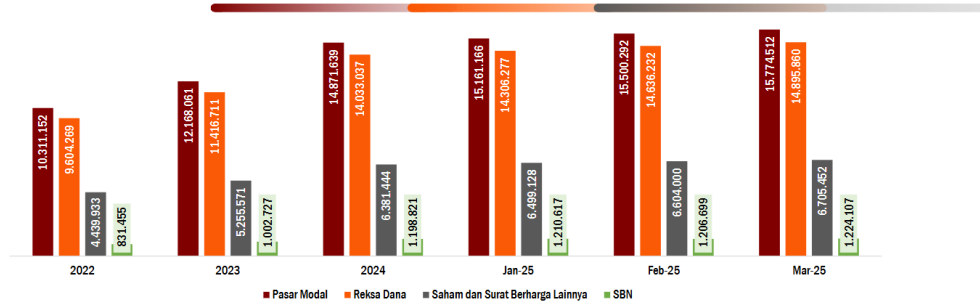




Grafik pertumbuhan investor di Indonesia.



Pertumbuhan Investor



SID	Pertumbuhan investor					
	2022	2023	2024	Jan-25	Feb-25	Mar-25
Pasar Modal	37,68%	18,01%	22,22%	1,95%	2,24%	1,77%
Reksa Dana	40,41%	18,87%	22,92%	1,95%	2,31%	1,77%
Saham dan Surat Berharga Lainnya*	28,64%	18,37%	21,42%	1,84%	1,61%	1,54%
SBN	36,05%	20,60%	19,56%	0,98%	-0,32%	1,44%

Escalate Infrastructure,
Accelerate Services

*Tersimpan di sistem KSEI

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(Sumber: Kustodian Sentral Efek Indonesia (2025))

Hasil prediksi LSTM pada data *testing*.

<i>Date</i>	<i>Actual</i>	<i>Predicted</i>
2024-01-24	Rp 11.180,00	Rp 11.134,00
2024-01-25	Rp 11.180,00	Rp 11.113,00
2024-01-26	Rp 11.229,00	Rp 11.105,00
2024-01-29	Rp 11.180,00	Rp 11.137,00
2024-01-30	Rp 11.009,00	Rp 11.128,00
2024-01-31	Rp 11.548,00	Rp 11.013,00
2024-02-01	Rp 11.352,00	Rp 11.290,00
2024-02-02	Rp 11.352,00	Rp 11.332,00
2024-02-05	Rp 11.254,00	Rp 11.320,00
2024-02-06	Rp 11.303,00	Rp 11.234,00
2024-02-07	Rp 11.205,00	Rp 11.217,00
2024-02-12	Rp 11.425,00	Rp 11.159,00
2024-02-13	Rp 11.156,00	Rp 11.274,00
2024-02-15	Rp 11.425,00	Rp 11.176,00
2024-02-16	Rp 11.229,00	Rp 11.280,00
2024-02-19	Rp 11.352,00	Rp 11.222,00
2024-02-20	Rp 11.327,00	Rp 11.256,00
2024-02-21	Rp 11.254,00	Rp 11.263,00
2024-02-22	Rp 11.376,00	Rp 11.217,00
2024-02-23	Rp 11.327,00	Rp 11.267,00
2024-02-26	Rp 11.327,00	Rp 11.269,00
2024-02-27	Rp 11.376,00	Rp 11.265,00
2024-02-28	Rp 11.376,00	Rp 11.292,00
2024-02-29	Rp 11.327,00	Rp 11.306,00
2024-03-01	Rp 11.401,00	Rp 11.279,00
2024-03-04	Rp 11.229,00	Rp 11.308,00
2024-03-05	Rp 11.156,00	Rp 11.218,00
2024-03-06	Rp 10.935,00	Rp 11.122,00
2024-03-07	Rp 10.494,00	Rp 10.945,00
2024-03-08	Rp 10.567,00	Rp 10.598,00
2024-03-13	Rp 10.518,00	Rp 10.485,00
2024-03-14	Rp 10.690,00	Rp 10.448,00
2024-03-15	Rp 10.518,00	Rp 10.560,00
2024-03-18	Rp 10.641,00	Rp 10.529,00
2024-03-19	Rp 10.788,00	Rp 10.571,00
2024-03-20	Rp 11.009,00	Rp 10.679,00
2024-03-21	Rp 10.739,00	Rp 10.864,00

2024-03-22	Rp 10.911,00	Rp 10.783,00
2024-03-25	Rp 10.984,00	Rp 10.810,00
2024-03-26	Rp 10.641,00	Rp 10.873,00
2024-03-27	Rp 10.788,00	Rp 10.695,00
2024-03-28	Rp 11.376,00	Rp 10.680,00
2024-04-01	Rp 11.009,00	Rp 11.058,00
2024-04-02	Rp 10.984,00	Rp 11.049,00
2024-04-03	Rp 10.788,00	Rp 10.979,00
2024-04-04	Rp 10.812,00	Rp 10.807,00
2024-04-05	Rp 10.641,00	Rp 10.736,00
2024-04-16	Rp 9.905,00	Rp 10.620,00
2024-04-17	Rp 9.954,00	Rp 10.136,00
2024-04-18	Rp 9.905,00	Rp 9.923,00
2024-04-19	Rp 9.537,00	Rp 9.842,00
2024-04-22	Rp 9.611,00	Rp 9.632,00
2024-04-23	Rp 9.734,00	Rp 9.574,00
2024-04-24	Rp 9.979,00	Rp 9.638,00
2024-04-25	Rp 10.494,00	Rp 9.828,00
2024-04-26	Rp 10.396,00	Rp 10.231,00
2024-04-29	Rp 10.469,00	Rp 10.380,00
2024-04-30	Rp 10.665,00	Rp 10.441,00
2024-05-02	Rp 10.273,00	Rp 10.549,00
2024-05-03	Rp 10.641,00	Rp 10.354,00
2024-05-06	Rp 10.641,00	Rp 10.446,00
2024-05-07	Rp 10.567,00	Rp 10.523,00
2024-05-08	Rp 10.567,00	Rp 10.521,00
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2024-05-17	Rp 10.347,00	Rp 10.288,00
2024-05-20	Rp 10.298,00	Rp 10.318,00
2024-05-21	Rp 10.200,00	Rp 10.290,00
2024-05-22	Rp 10.273,00	Rp 10.206,00
2024-05-27	Rp 10.224,00	Rp 10.200,00
2024-05-28	Rp 10.396,00	Rp 10.179,00
2024-05-29	Rp 10.224,00	Rp 10.273,00
2024-05-30	Rp 9.954,00	Rp 10.228,00

2024-05-31	Rp 9.562,00	Rp 10.034,00
2024-06-03	Rp 10.003,00	Rp 9.700,00
2024-06-04	Rp 10.126,00	Rp 9.788,00
2024-06-05	Rp 10.249,00	Rp 9.959,00
2024-06-06	Rp 10.396,00	Rp 10.136,00
2024-06-07	Rp 10.371,00	Rp 10.303,00
2024-06-10	Rp 10.298,00	Rp 10.351,00
2024-06-11	Rp 10.347,00	Rp 10.300,00
2024-06-12	Rp 10.371,00	Rp 10.282,00
2024-06-13	Rp 10.469,00	Rp 10.290,00
2024-06-14	Rp 10.298,00	Rp 10.357,00
2024-06-19	Rp 10.003,00	Rp 10.297,00
2024-06-20	Rp 99.793,00	Rp 10.082,00
2024-06-21	Rp 10.101,00	Rp 9.954,00
2024-06-24	Rp 10.101,00	Rp 9.983,00
2024-06-25	Rp 9.930,00	Rp 10.026,00
2024-06-26	Rp 10.175,00	Rp 9.956,00
2024-06-27	Rp 10.298,00	Rp 10.052,00
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2024-07-08	Rp 10.200,00	Rp 10.005,00
2024-07-09	Rp 10.325,00	Rp 10.093,00
2024-07-10	Rp 10.300,00	Rp 10.215,00
2024-07-11	Rp 10.300,00	Rp 10.259,00
2024-07-12	Rp 10.375,00	Rp 10.263,00
2024-07-15	Rp 10.575,00	Rp 10.297,00
2024-07-16	Rp 10.475,00	Rp 10.432,00
2024-07-17	Rp 10.750,00	Rp 10.444,00
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2024-07-24	Rp 10.800,00	Rp 10.727,00
2024-07-25	Rp 10.850,00	Rp 10.719,00
2024-07-26	Rp 10.850,00	Rp 10.754,00

2024-07-29	Rp 10.825,00	Rp 10.779,00
2024-07-30	Rp 10.900,00	Rp 10.776,00
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2024-08-30	Rp 11.475,00	Rp 11.333,00
2024-09-02	Rp 11.500,00	Rp 11.379,00
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2024-09-11	Rp 11.575,00	Rp 11.508,00
2024-09-12	Rp 11.475,00	Rp 11.507,00
2024-09-13	Rp 11.325,00	Rp 11.439,00
2024-09-17	Rp 11.400,00	Rp 11.308,00
2024-09-18	Rp 11.500,00	Rp 11.297,00
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2024-09-20	Rp 12.000,00	Rp 11.555,00

2024-09-23	Rp 12.200,00	Rp 11.832,00
2024-09-24	Rp 12.425,00	Rp 12.079,00
2024-09-25	Rp 12.450,00	Rp 12.304,00
2024-09-26	Rp 12.775,00	Rp 12.384,00
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2024-10-03	Rp 12.000,00	Rp 12.159,00
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2024-10-09	Rp 12.075,00	Rp 12.141,00
2024-10-10	Rp 12.050,00	Rp 12.088,00
2024-10-11	Rp 12.249,00	Rp 12.014,00
2024-10-14	Rp 12.350,00	Rp 12.107,00
2024-10-15	Rp 12.575,00	Rp 12.230,00
2024-10-16	Rp 12.500,00	Rp 12.429,00
2024-10-17	Rp 12.500,00	Rp 12.457,00
2024-10-18	Rp 12.800,00	Rp 12.433,00
2024-10-21	Rp 12.500,00	Rp 12.611,00
2024-10-22	Rp 12.525,00	Rp 12.499,00
2024-10-23	Rp 12.599,00	Rp 12.436,00
2024-10-24	Rp 12.525,00	Rp 12.470,00
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2024-10-31	Rp 12.325,00	Rp 12.411,00
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2024-11-04	Rp 12.325,00	Rp 12.078,00
2024-11-05	Rp 12.599,00	Rp 12.155,00
2024-11-06	Rp 12.150,00	Rp 12.413,00
2024-11-07	Rp 12.075,00	Rp 12.237,00
2024-11-08	Rp 12.100,00	Rp 12.055,00
2024-11-11	Rp 11.950,00	Rp 11.996,00
2024-11-12	Rp 11.850,00	Rp 11.898,00
2024-11-13	Rp 11.850,00	Rp 11.800,00
2024-11-14	Rp 11.450,00	Rp 11.767,00

2024-11-15	Rp 11.675,00	Rp 11.510,00
2024-11-18	Rp 11.975,00	Rp 11.530,00
2024-11-19	Rp 11.900,00	Rp 11.771,00
2024-11-20	Rp 11.800,00	Rp 11.853,00
2024-11-21	Rp 11.800,00	Rp 11.793,00
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2024-11-26	Rp 11.975,00	Rp 11.871,00
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2024-11-29	Rp 11.900,00	Rp 11.845,00
2024-12-02	Rp 11.850,00	Rp 11.818,00
2024-12-03	Rp 11.925,00	Rp 11.779,00
2024-12-04	Rp 11.800,00	Rp 11.814,00
2024-12-05	Rp 11.900,00	Rp 11.760,00
2024-12-06	Rp 11.825,00	Rp 11.794,00
2024-12-09	Rp 11.775,00	Rp 11.770,00
2024-12-10	Rp 11.725,00	Rp 11.722,00
2024-12-11	Rp 11.725,00	Rp 11.667,00
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2024-12-13	Rp 11.850,00	Rp 11.565,00
2024-12-16	Rp 11.800,00	Rp 11.689,00
2024-12-17	Rp 11.525,00	Rp 11.734,00
2024-12-18	Rp 11.325,00	Rp 11.564,00
2024-12-19	Rp 11.200,00	Rp 11.337,00
2024-12-20	Rp 11.250,00	Rp 11.162,00
2024-12-23	Rp 11.425,00	Rp 11.140,00
2024-12-24	Rp 11.575,00	Rp 11.273,00
2024-12-27	Rp 11.425,00	Rp 11.451,00
2024-12-30	Rp 11.375,00	Rp 11.431,00
2025-01-02	Rp 11.225,00	Rp 11.355,00
2025-01-03	Rp 11.375,00	Rp 11.212,00
2025-01-06	Rp 11.175,00	Rp 11.240,00
2025-01-07	Rp 10.925,00	Rp 11.152,00
2025-01-08	Rp 11.100,00	Rp 10.953,00
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2025-01-10	Rp 11.075,00	Rp 10.962,00
2025-01-13	Rp 11.100,00	Rp 10.995,00
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2025-01-15	Rp 10.775,00	Rp 10.826,00

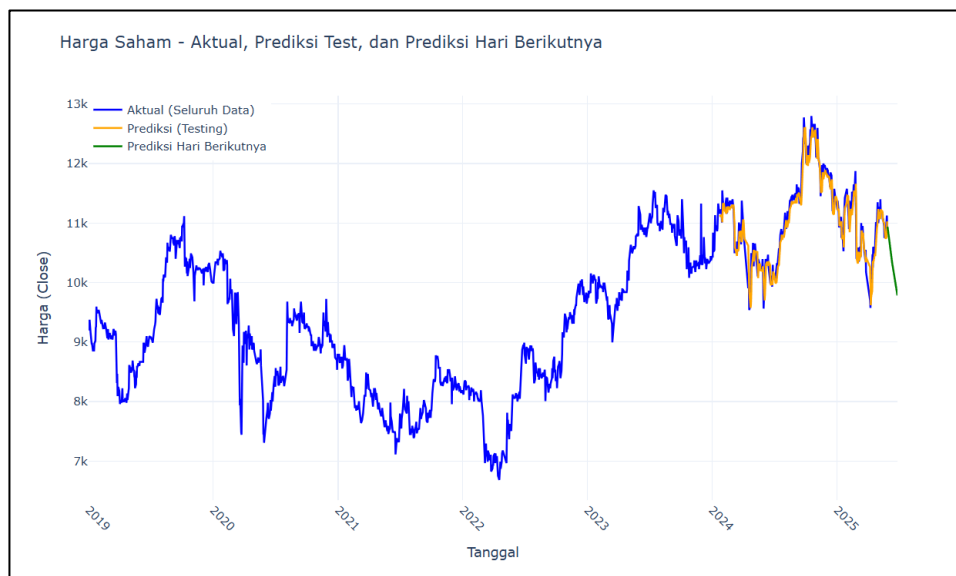
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2025-01-17	Rp 10.825,00	Rp 10.785,00
2025-01-20	Rp 10.525,00	Rp 10.779,00
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2025-01-23	Rp 11.275,00	Rp 11.132,00
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2025-01-31	Rp 11.500,00	Rp 11.461,00
2025-02-03	Rp 11.225,00	Rp 11.451,00
2025-02-04	Rp 11.100,00	Rp 11.250,00
2025-02-05	Rp 10.900,00	Rp 11.066,00
2025-02-06	Rp 10.950,00	Rp 10.878,00
2025-02-07	Rp 11.375,00	Rp 10.845,00
2025-02-10	Rp 11.275,00	Rp 11.130,00
2025-02-11	Rp 11.225,00	Rp 11.237,00
2025-02-12	Rp 11.150,00	Rp 11.225,00
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2025-02-14	Rp 11.525,00	Rp 11.136,00
2025-02-17	Rp 11.500,00	Rp 11.332,00
2025-02-18	Rp 11.525,00	Rp 11.426,00
2025-02-19	Rp 11.650,00	Rp 11.465,00
2025-02-20	Rp 11.550,00	Rp 11.544,00
2025-02-21	Rp 11.500,00	Rp 11.511,00
2025-02-24	Rp 11.875,00	Rp 11.449,00
2025-02-25	Rp 11.325,00	Rp 11.660,00
2025-02-26	Rp 10.500,00	Rp 11.429,00
2025-02-27	Rp 10.400,00	Rp 10.767,00
2025-02-28	Rp 10.450,00	Rp 10.392,00
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2025-03-14	Rp 10.750,00	Rp 10.875,00

2025-03-17	Rp 10.950,00	Rp 10.795,00
2025-03-18	Rp 10.825,00	Rp 10.837,00
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2025-03-20	Rp 10.600,00	Rp 10.693,00
2025-03-21	Rp 10.575,00	Rp 10.575,00
2025-03-24	Rp 10.425,00	Rp 10.513,00
2025-03-25	Rp 10.375,00	Rp 10.411,00
2025-03-26	Rp 10.550,00	Rp 10.340,00
2025-03-27	Rp 10.175,00	Rp 10.422,00
2025-04-08	Rp 9.700,00	Rp 10.259,00
2025-04-09	Rp 9.575,00	Rp 9.883,00
2025-04-10	Rp 10.000,00	Rp 9.618,00
2025-04-11	Rp 9.925,00	Rp 9.760,00
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2025-04-15	Rp 10.475,00	Rp 10.126,00
2025-04-16	Rp 10.250,00	Rp 10.362,00
2025-04-17	Rp 10.600,00	Rp 10.319,00
2025-04-21	Rp 10.550,00	Rp 10.453,00
2025-04-22	Rp 10.475,00	Rp 10.489,00
2025-04-23	Rp 10.700,00	Rp 10.444,00
2025-04-24	Rp 11.000,00	Rp 10.546,00
2025-04-25	Rp 11.000,00	Rp 10.792,00
2025-04-28	Rp 11.000,00	Rp 10.920,00
2025-04-29	Rp 11.250,00	Rp 10.956,00
2025-04-30	Rp 11.350,00	Rp 11.103,00
2025-05-02	Rp 11.000,00	Rp 11.235,00
2025-05-05	Rp 11.200,00	Rp 11.065,00
2025-05-06	Rp 11.275,00	Rp 11.077,00
2025-05-07	Rp 11.075,00	Rp 11.151,00
2025-05-08	Rp 11.400,00	Rp 11.073,00
2025-05-09	Rp 11.200,00	Rp 11.227,00
2025-05-14	Rp 11.175,00	Rp 11.195,00
2025-05-15	Rp 11.050,00	Rp 11.143,00
2025-05-16	Rp 11.075,00	Rp 11.036,00
2025-05-19	Rp 10.950,00	Rp 11.002,00
2025-05-20	Rp 10.750,00	Rp 10.924,00
2025-05-21	Rp 10.825,00	Rp 10.768,00
2025-05-22	Rp 10.800,00	Rp 10.743,00
2025-05-23	Rp 10.825,00	Rp 10.737,00

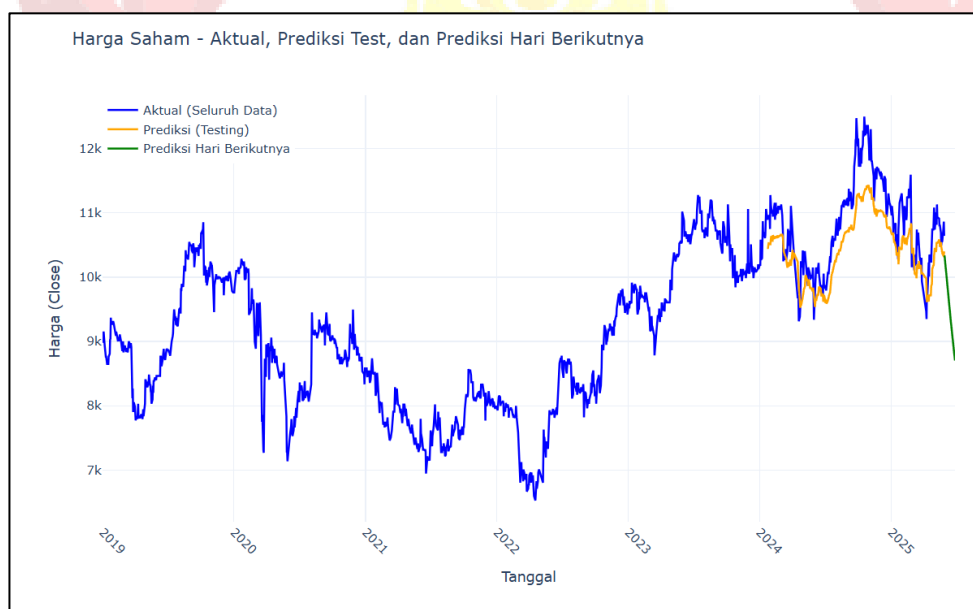
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2025-05-27	Rp 11.125,00	Rp 10.895,00

2025-05-28	Rp 10.900,00	Rp 11.027,00
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Grafik Hasil Prediksi LSTM 30 Hari



Grafik Hasil Prediksi RNN 30 Hari



LEMBAR KONSULTASI SKRIPSI / TA



FAKULTAS SAINS, TEKNOLOGI dan KESEHATAN UNIVERSITAS SAHID SURAKARTA

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PROGRAM STUDI : Informatika

JUDUL SKRIPSI / TA : Implementasi Machine Learning Menggunakan Metode Long Short

Term Memory (LSTM) Untuk Prediksi Harga Saham PT
Indofood CBP Sukses Matmur



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NO	HARI/TANGGAL	DOSEN PEMBIMBING	DAB / HAL	URAIAN	TANDA TANGAN
1	8 Mei 2024	Dwi Retnawati	Proposal	- Paragraf Proposal. - Latar belakang - Isi - Kesimpulan - Daftar Pustaka - Cara penulisan (font) - Contoh penulisan	
2	15 Mei 2025	—	—	—	
3	22 Mei 2025	—	Proposal	- Paragraf - Kesimpulan - Daftar Pustaka - Cara penulisan	
4	11 April 2025	—	BAB I	Sistematisasi Penulisan	
5	14 Mei 2025	—	BAB II & III	Urutan sub bab - Materi / bahan yang akan diteliti - Cara meneliti - ada referensi artikel double	
6	16 Mei 2025	Dwi Retnawati	BAB III	ACC, segera mendaftar seminar Skripsi	
7	23 Mei 2025	—	BAB I.	Bab I. (Tabel 1)	
8	24 Mei 2025	—	BAB II	Spasi double.	
9	25 Mei 2025	—	BAB III	Spasi double.	
10	26 Mei 2025	—	BAB IV	Spasi double.	
11	27 Mei 2025	—	BAB V	Spasi double.	
12	28 Mei 2025	—	BAB VI	Spasi double.	
13	29 Mei 2025	—	BAB VII	Spasi double.	
14	30 Mei 2025	—	BAB VIII	Spasi double.	
15	31 Mei 2025	—	BAB IX	Spasi double.	
16	1 Juni 2025	—	BAB X	Spasi double.	
17	2 Juni 2025	—	BAB XI	Spasi double.	
18	3 Juni 2025	—	BAB XII	Spasi double.	
19	4 Juni 2025	—	BAB XIII	Spasi double.	
20	5 Juni 2025	—	BAB XIV	Spasi double.	
21	6 Juni 2025	—	BAB XV	Spasi double.	
22	7 Juni 2025	—	BAB XVI	Spasi double.	
23	8 Juni 2025	—	BAB XVII	Spasi double.	
24	9 Juni 2025	—	BAB XVIII	Spasi double.	
25	10 Juni 2025	—	BAB XIX	Spasi double.	
26	11 Juni 2025	—	BAB XX	Spasi double.	

