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LAMPIRAN

Lampiran 1. Identitas Responden Usahatani Bawang Merah

No	Nama Lengkap	Jenis Kelamin	Usia dan Pendidikan			Lama Pendidikan	Jumlah Tanggungan	Jumlah Anak		Total		Pekerjaan Utama	Pekerjaan Sampingan	A10
			Umur	Pendidikan Formal				Laki-Laki	Perempuan	Laki-Laki	Perempuan			
				Lama (Thn)	Jenjang Pendidikan									
1	Arifin	Laki-Laki	47	6	SD Tamat	6	4	2	2	2	2	Petani	Petani	Monokultur
2	Amiruddin	Laki-Laki	33	6	SD Tamat	6	2	0	2	0	2	Petani	Petani	Monokultur
3	Hanaping	Laki-Laki	47	6	SD Tamat	6	2	0	2	0	2	Petani	Petani	Monokultur
4	Musu	Laki-Laki	45	0	Tidak Tamat SD	0	1	1	0	1	0	Petani	Petani	Monokultur
5	Riping	Laki-Laki	33	0	Tidak Tamat SD	0	2	1	1	1	1	Petani	Petani	Monokultur
6	Rusli	Laki-Laki	23	12	SMA Tamat	12	0	0	0	0	0	Petani	Petani	Monokultur
7	Rusdin	Laki-Laki	38	6	SD Tamat	6	2	0	2	0	2	Petani	Petani	Monokultur
8	Sannang	Laki-Laki	45	0	Tidak Tamat SD	0	2	1	1	1	1	Petani	Petani	Monokultur
9	Sudirman	Laki-Laki	40	6	SD Tamat	6	2	1	1	1	1	Petani	Petani	Monokultur
10	Sahabuddin	Laki-Laki	50	6	SD Tamat	6	3	2	1	2	1	Petani	Petani	Monokultur
11	Sembang	Laki-Laki	30	6	SD Tamat	6	2	1	1	1	1	Petani	Petani	Monokultur
12	Riswanto, SE	Laki-Laki	27	16	Sarjana	16	1	0	1	0	1	Petani	Petani	Monokultur
13	Bahtiar	Laki-Laki	28	16	Sarjana	16	0	0	0	0	0	Petani	Petani	Monokultur
14	Noming	Laki-Laki	55	6	SD Tamat	6	3	2	1	2	1	Petani	Petani	Monokultur
15	Raja	Laki-Laki	65	6	SD Tamat	6	4	2	2	2	2	Petani	Petani	Monokultur
16	Mustafa	Laki-Laki	60	6	SD Tamat	6	2	2	0	2	0	Petani	Petani	Monokultur
17	Cabu	Laki-Laki	30	6	SD Tamat	6	2	2	0	2	0	Petani	Petani	Monokultur

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18	H. Musu	Laki-Laki	45	9	SMP Tamat	9	1	1	0	1	0	Petani	Petani	Monokultur
19	Pasing	Laki-Laki	43	6	SD Tamat	6	1	0	1	0	1	Petani	Petani	Monokultur
20	Muh. Ali	Laki-Laki	35	6	SD Tamat	6	0	0	0	0	0	Petani	Petani	Monokultur
21	M.Ardi	Laki-Laki	21	9	Tamat SMP	9	1	1	0	1	0	Petani	Petani	Monokultur
22	Bora	Laki-Laki	50	6	SD Tamat	6	1	1	0	1	0	Petani	Petani	Monokultur
23	Yudi	Laki-Laki	42	6	SD Tamat	6	2	1	1	1	1	Petani	Petani	Monokultur
24	Uddin	Laki-Laki	60	6	SD Tamat	6	2	2	0	2	0	Petani	Petani	Monokultur
25	Baba	Laki-Laki	58	6	SD Tamat	6	3	1	2	1	2	Petani	Petani	Monokultur
26	Yusuf	Laki-Laki	63	6	SD Tamat	6	2	0	2	0	2	Petani	Petani	Monokultur
27	Hasan	Laki-Laki	51	6	SD Tamat	6	3	2	1	2	1	Petani	Petani	Monokultur
28	Amir	Laki-Laki	44	6	SD Tamat	6	1	1	0	1	0	Petani	Petani	Monokultur
29	Kardi	Laki-laki	40	6	SD Tamat	6	2	1	1	1	1	Petani	Petani	Monokultur
30	Misi	Laki-laki	55	6	SD Tamat	6	2	1	1	1	1	Petani	Petani	Monokultur
31	Usman	Laki-Laki	35	6	SD Tamat	6	3	0	2	0	0	Petani	Petani	Monokultur
32	Hamzah	Laki-Laki	38	6	SD Tamat	6	3	2	0	0	0	Petani	Petani	Monokultur
33	Maro	Laki-Laki	70	6	SD Tamat	6	4	3	0	0	0	Petani	Petani	Monokultur
34	Nasir	Laki-Laki	45	9	SMP Tamat	9	4	2	1	0	0	Petani	Petani	Monokultur
35	Saharuddin	Laki-Laki	37	6	SD Tamat	6	3	1	1	0	0	Petani	Petani	Monokultur
36	Amir, SP.	Laki-Laki	35	16	Sarjana Pertanian	16	3	2	0	0	0	Petani	Petani	Monokultur
37	Syamsuddin	Laki-Laki	37	12	SMA Tamat	12	4	2	1	0	0	Petani	Petani	Monokultur
38	Rudi	Laki-Laki	27	6	SD Tamat	6	0	0	0	0	0	Petani	Petani	Monokultur
39	Sadu	Laki-Laki	78	0	Tidak Sekolah	0	3	2	0	0	0	Petani	Petani	Monokultur

40	Safri	Laki-Laki	27	9	SMP Tamat	9	3	2	0	0	0	Petani	Petani	Monokultur
41	Sudirman, SP.	Laki-Laki	36	16	Sarjana Pertanian	16	3	1	1	0	0	Petani	Petani	Monokultur
42	Abdul Jabbar	Laki-Laki	50	16	S1	16	3	1	1	0	0	PNS	Petani	Monokultur
43	Rustam	Laki-Laki	40	6	SD Tamat	6	5	3	1	0	0	Petani	Petani	Monokultur
44	H. Maing	Laki-Laki	75	6	SD Tamat	6	5	3	1	0	0	Petani	Petani	Monokultur
45	Nurman Irpandi	Laki-Laki	30	16	S1	16	2	0	1	0	0	Petani	Petani	Monokultur
46	Ismail	Laki-Laki	49	16	S1	16	1	0	0	0	0	Petani	Petani	Monokultur
47	Ramli	Laki-Laki	60	6	SD Tamat	6	4	2	2	0	0	Petani	Petani	Monokultur
48	Kamaruddin	Laki-Laki	53	6	SD Tamat	6	3	1	1	0	0	Petani	Petani	Monokultur
49	Iccang	Laki-Laki	28	6	SD Tamat	6	2	0	1	0	0	Petani	Petani	Monokultur
50	Sahir	Laki-Laki	39	0	Tidak Sekolah	0	3	1	1	0	0	Petani	Petani	Monokultur
51	Muh. Said	Laki-Laki	38	9	SMP Tamat	9	2	0	2	0	0	Petani	Petani	Monokultur
52	Amiruddin	Laki-Laki	57	0	Tidak Sekolah	0	3	1	1	0	0	Petani	Petani	Monokultur
53	Misi Dg.Lalo	Laki-Laki	45	6	SD Tamat	6	2	0	1	0	0	Petani	Petani	Monokultur
54	Bahri	Laki-Laki	54	6	SD Tamat	6	3	2	0	0	0	Petani	Petani	Monokultur
55	Erwin Saputra	Laki-Laki	27	12	SMA Tamat	12	2	0	1	0	0	Petani	Petani	Monokultur
56	Saho	Laki-Laki	48	6	SD Tamat	6	5	2	2	0	0	Petani	Petani	Monokultur
57	Rusli	Laki-Laki	40	6	SD Tamat	6	4	2	1	0	0	Petani	Petani	Monokultur
58	Naso	Laki-Laki	74	0	Tidak Sekolah	0	8	3	4	0	0	Petani	Petani	Monokultur
59	Syamsuddin	Laki-Laki	35	6	SD Tamat	6	2	1	0	0	0	Petani	Petani	Monokultur
60	Musliadi	Laki-Laki	52	6	SD Tamat	6	3	2	0	0	0	Petani	Petani	Monokultur

61	Muh.Nasir	Laki-Laki	35	12	SMA Tamat	12	2	1	1	0	0	Petani	Petani	Monokultur
62	Dg. Juna	Laki-Laki	57	6	SD Tamat	6	2	0	2	0	2	Petani	Petani	Tumpangsari
63	Rustam	Laki-Laki	39	12	SMA Tamat	12	3	1	2	1	3	Petani	Petani	Monokultur
64	Abd. Rahman	Laki-Laki	39	12	SMA Tamat	12	2	2	0	2	0	Petani	Petani	Tumpangsari
65	Sampari	Laki-Laki	43	6	SD Tamat	6	2	1	1	2	2	Petani	Petani	Tumpangsari
66	Amran	Laki-Laki	35	6	SD Tamat	6	2	1	0	1	1	Petani	Petani	Tumpangsari
67	Daman	Laki-Laki	27	9	SMP Tamat	9	3	1	1	1	1	Petani	Pedagang	Tumpangsari
68	Antoh	Laki-Laki	35	6	SD Tamat	6	3	1	2	0	0	Petani	Pedagang	Tumpangsari
69	Nasrun	Laki-Laki	33	6	SD Tamat	6	3	1	2	2	2	Petani	Pedagang	Tumpangsari
70	Baharudding	Laki-Laki	42	6	SD Tamat	6	2	1	1	1	2	Petani	Tidak Ada	Monokultur
71	kamaruddin	Laki-Laki	30	3	Tidak Tamat SD	3	2	0	0	1	3	Petani	Petani	Tumpangsari
72	Hamma	Laki-Laki	55	6	SD Tamat	6	3	3	2	2	2	Petani	Petani	Tumpangsari
73	Saso	Laki-Laki	46	6	SD Tamat	6	3	2	1	2	1	Petani	Petani	Tumpangsari
74	Sampe	Laki-Laki	29	6	SD Tamat	6	3	1	1	0	1	Petani	Buruh Bangunan	Tumpangsari
75	Irwan Linon	Laki-Laki	33	9	SMP Tamat	9	2	1	0	1	1	Petani	Petani	Monokultur
76	Fathul Ramadhan	Laki-Laki	23	12	SMA Tamat	23	2	0	2	0	2	Petani	Petani	Monokultur
77	Suhardi	Laki-Laki	39	9	SMP Tamat	9	9	1	1	1	2	Petani	Petani	Monokultur
78	H. Nasir	Laki-Laki	67	6	SD Tamat	6	7	2	4	2	4	Petani	Petani	Monokultur
79	Isdarinto	Laki-Laki	43	12	SMA Tamat	12	3	1	1	0	0	Petani	Petani	Monokultur
80	Sahda Nasir	Laki-Laki	25	6	SD Tamat	6	2	0	1	0	0	Petani	Petani	Monokultur
81	Hasbulla	Laki-Laki	38	6	SD Tamat	6	4	2	1	1	2	Petani	Petani	Monokultur
82	Nuerhamsyah	Laki-Laki	34	12	SMA Tamat	12	2	1	0	1	1	Petani	Buruh	Monokultur

83	Kade	Laki-Laki	44	6	SD Tamat	6	5	3	2	0	0	Petani	Petani	Monokultur
84	Ismail	Laki-Laki	25	12	SMA Tamat	12	0	0	0	0	0	Petani	Petani	Monokultur
85	Basa	Laki-Laki	53	6	SD Tamat	6	4	1	2	1	3	Petani	Petani	Monokultur
86	Samsu	Laki-Laki	55	12	SMA Tamat	12	4	2	3	2	2	Petani	Petani	Monokultur
87	Sumaring	Laki-Laki	54	6	SD Tamat	6	3	0	2	0	0	Petani	Petani	Monokultur
88	Jusman	Laki-Laki	33	12	SMA Tamat	12	3	2	0	2	1	Petani	Petani	Monokultur
89	Sampara	Laki-Laki	53	9	SMP Tamat	9	4	2	1	2	1	Petani	Petani	Monokultur
90	Pawe	Laki-Laki	47	6	SD Tamat	6	3	2	1	1	1	Petani	Petani	Monokultur
91	Hasanuddin	Laki-laki	47	12	SMA Tamat	12	2	1	1	1	1	Petani	Petani	Monokultur
92	Raba	Laki-laki	44	6	SD Tamat	6	2	1	1	1	1	Petani	Petani	Monokultur
93	Saharuddin	Laki-laki	32	6	SMA Tamat	12	0	0	0	0	0	Petani	Petani	Monokultur
94	H. Harun	Laki-laki	73	6	SD Tamat	6	0	0	0	0	0	Petani	Petani	Monokultur
95	Ahmad	Laki-laki	40	12	SMA Tamat	12	1	1	0	0	0	Petani	Petani	Monokultur
96	Musakkir	Laki-laki	40	6	SD Tamat	6	2	0	2	0	0	Petani	Petani	Monokultur
97	Uding	Laki-laki	27	12	SMP Tidak Tamat	12	1	1	0	0	1	Petani	Petani	Monokultur
98	Jumanai	Laki-laki	47	6	SD Tamat	6	3	1	3	0	0	Petani	Petani	Monokultur
99	Riswandi	Laki-laki	18	12	SMA Tamat	12	0	0	0	2	1	Petani	Petani	Monokultur
100	Muhtar	Laki-laki	34	9	SMP Tamat	9	2	2	0	0	0	Petani	Petani	Monokultur
101	Ismail	Laki-laki	30	6	SD Tamat	6	3	1	2	2	5	Petani	Petani	Monokultur
102	H. Sain	Laki-laki	48	6	SD Tamat	6	2	1	1	2	5	Petani	Petani	Monokultur
103	Syahrir	Laki-laki	40	12	SMP Tidak Tamat	12	3	0	3	0	1	Petani	Petani	Monokultur

104	Saning	Perempuan	45	6	SD Tamat	6	2	1	1	1	2	Petani	Petani	Monokultur
105	Ramli	Laki-laki	35	6	SD Tamat	6	2	1	1	0	0	Petani	Petani	Monokultur
106	Edi	Laki-laki	24	12	SMP Tidak Tamat	12	1	0	1	0	1	Petani	Petani	Monokultur
107	Amir	Laki-laki	43	6	SD Tamat	6	4	1	3	0	1	Petani	Petani	Monokultur
108	Jupa	Perempuan	51	6	SD Tamat	6	2	0	2	0	0	Petani	Petani	Monokultur
109	M.Ilyas	Laki-laki	31	12	SMA Tamat	12	3	2	1	0	0	Petani	Petani	Monokultur
110	Sudirman	Laki-laki	25	6	SD Tamat	6	1	1	0	1	0	Petani	Petani	Monokultur
111	Yaco	Laki-laki	33	6	SD Tamat	6	1	1	0	0	0	Petani	Petani	Monokultur
112	Yudi	Laki-laki	50	6	SD Tamat	6	1	1	0	1	0	Petani	Petani	Monokultur
113	Ardi	Laki-laki	55	6	SD Tamat	6	3	2	1	0	0	Petani	Petani	Monokultur
114	Tomi	Laki-laki	60	6	SD Tamat	6	1	2	2	1	1	Petani	Petani	Monokultur
115	Yassar	Laki-laki	65	6	SD Tamat	6	3	2	1	0	0	Petani	Petani	Monokultur
116	Tiar	Laki-laki	46	6	SD Tamat	6	1	1	2	2	0	Petani	Petani	Monokultur
`117	Maharu	Laki-laki	41	6	SD Tamat	6	1	1	1	1	1	Petani	Petani	Monokultur
118	Bachtiar	Laki-laki	38	6	SD Tamat	6	1	1	0	1	0	Petani	Petani	Monokultur
119	Archie	Laki-laki	40	6	SD Tamat	6	2	1	1	1	1	Petani	Petani	Monokultur
120	Aris	Laki-laki	50	6	SD Tamat	6	1	1	0	1	0	Petani	Petani	Monokultur
121	Rahim S	Laki-Laki	40	12	SMA Tamat	12	3	1	1	1	1	Petani	Petani	Monokultur
122	Ismail	Laki-Laki	42	12	SMA Tamat	12	3	1	1	0	1	Petani	Petani	Monokultur
123	Ramido	Laki-Laki	41	9	SMP Tamat	9	3	2	0	0	0	Petani	Petani	Monokultur
124	Basri	Laki-Laki	30	12	SMK Tamat	12	4	3	1	0	1	Petani	Petani	Monokultur
125	Mutmainnah	Perempuan	27	12	Diploma Tiga	12	1	1	0	0	0	Pegawai Swasta	Petani	Monokultur

126	Kadir	Laki-Laki	60	6	SD Tamat	6	4	1	2	0	0	Petani	Petani	Monokultur
127	H. Tumans	Laki-Laki	51	6	SD Tamat	6	3	1	1	2	2	Petani	Petani	Monokultur
128	Sarding	Laki-Laki	48	12	SMA Tamat	12	1	0	0	0	0	Petani	Petani	Monokultur
129	Ramlah	Perempuan	28	12	SMA Tamat	12	1	1	0	0	0	Petani	Petani	Monokultur
130	Risna	Perempuan	34	0	Tidak Tamat SD	0	2	1	1	0	0	Petani	Petani	Monokultur
131	Nurul Annisya	Perempuan	19	12	SMA Tamat	12	0	0	0	5	3	Petani	Petani	Monokultur
132	Saruni	Perempuan	43	6	SD Tamat	6	2	1	1	0	0	Petani	Petani	Monokultur
133	H. Salle	Laki-Laki	65	6	SD Tamat	6	3	0	2	3	2	Petani	Petani	Monokultur
134	Lempeng	Laki-Laki	65	9	SMP Tamat	9	3	2	1	3	3	Petani	Petani	Monokultur
135	Hasnah	Perempuan	43	6	SD Tamat	6	4	3	0	0	0	Petani	Petani	Tumpangsari
136	Arif	Laki-Laki	24	6	SD Tamat	6	2	1	0	1	0	Petani	Petani	Monokultur
137	Sahir	Laki-Laki	34	6	SD Tamat	6	2	1	0	1	1	Petani	Petani	Monokultur
138	Rusli	Laki-Laki	30	12	SMA Tamat	12	2	0	1	5	5	Petani	Petani	Monokultur
139	Rabbaking	Laki-Laki	22	0	Tidak Tamat SD	0	2	0	1	0	0	Petani	Petani	Monokultur
140	Sulpianto	Laki-Laki	35	12	SMA Tamat	12	4	3	0	2	1	Petani	Petani	Monokultur
141	Rasyid	Laki-Laki	43	12	SMA Tamat	12	4	2	1	2	0	Petani	Petani	Monokultur
142	Yasang	Laki-Laki	45	9	SMP Tamat	9	3	2	0	0	0	Petani	Petani	Monokultur
143	Aneu	Laki-Laki	46	6	SD Tamat	6	4	2	1	2	1	Petani	Petani	Monokultur
144	Rahman	Laki-Laki	49	9	SMP Tamat	9	2	1	0	1	1	Petani	Peternak	Monokultur
145	Saing	Laki-Laki	60	6	SD Tamat	6	6	3	2	1	1	Petani	Peternak	Monokultur
146	Arif	Laki-Laki	56	9	SMP Tamat	9	4	2	1	2	0	Petani	Petani	Monokultur
147	David	Laki-Laki	35	12	SMA Tamat	12	2	0	1	3	0	Petani	Petani	Monokultur

148	Senio	Laki-Laki	40	6	SD Tamat	6	2	2	0	2	0	Petani	Petani	Monokultur
149	Udin	Laki-Laki	50	6	SD Tamat	6	3	2	1	0	0	Petani	Petani	Monokultur
150	Amrullah	Laki-Laki	45	6	SD Tamat	6	2	2	0	2	0	Petani	Petani	Monokultur

Lampiran 2. Data Input Pada Produksi Bawang Merah

No	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	X13	X14	X15	X16	X17	X18	Y1
1	1.0	65.0	2.0	1.9	0.6	1.3	9800	3920	0.8	1.7	1.6	1.8	1.8	2.0	2.0	1.0	1.0	30000000	10000
2	0.3	24.8	2.0	5.0	1.5	1.5	3920	3920	0.6	1.4	1.9	2.2	1.7	4.0	5.0	8.0	8.0	10000000	4800
3	2.0	61.8	2.0	1.3	0.6	0.3	2450	1470	0.9	0.6	1.3	1.0	1.1	1.0	0.5	1.0	1.5	60000000	16000
4	0.3	38.2	2.7	1.5	1.2	2.1	4900	8167	1.1	1.3	2.0	2.2	1.8	3.3	6.7	3.3	3.3	15000000	3000
5	0.3	39.4	2.7	1.5	1.2	4.2	5717	8167	1.4	0.8	1.8	3.3	2.7	3.3	6.7	3.3	3.3	15000000	3000
6	0.5	28.6	3.6	2.0	1.2	1.2	5390	4900	0.9	2.4	1.3	2.0	2.6	4.0	4.0	2.0	2.0	23000000	5000
7	0.3	29.0	2.0	2.6	1.5	1.5	4900	5880	1.3	1.7	1.4	6.4	2.8	4.0	3.2	4.0	4.0	10000000	4500
8	0.3	11.8	2.2	1.3	0.8	2.1	4083	8167	1.2	2.3	1.3	1.5	3.3	4.7	6.7	6.7	3.3	7000000	550
9	2.0	48.4	1.5	1.3	0.6	0.6	858	1201	0.6	1.4	0.9	1.5	1.0	1.1	0.5	1.0	0.5	50000000	16000
10	1.0	54.2	2.0	1.9	0.6	0.6	1470	2205	1.7	1.3	1.2	2.0	2.0	2.0	2.0	3.0	2.0	30000000	10000
11	0.5	38.2	3.6	1.3	1.7	1.2	7350	5880	2.0	1.6	1.2	2.0	1.2	2.0	2.0	2.0	2.0	27000000	5000
12	0.3	18.8	2.0	5.0	1.5	1.6	6664	9800	4.0	2.2	1.8	4.0	4.0	4.0	4.0	4.0	4.0	8000000	4800
13	0.3	25.0	2.0	5.0	1.5	2.5	4508	3528	4.0	1.3	4.0	0.7	4.0	4.0	4.0	4.0	4.0	8000000	4800
14	1.0	38.6	2.0	1.9	0.6	0.6	6370	1078	1.0	1.1	2.0	1.0	1.0	1.0	1.0	1.0	1.0	30000000	10000
15	1.0	40.8	2.0	1.9	0.6	1.3	2695	1029	1.0	2.0	1.7	3.0	2.0	1.0	1.0	1.0	1.0	30000000	9000
16	0.5	17.4	3.6	1.3	1.1	1.2	4410	5488	2.0	4.0	2.0	4.0	2.0	2.0	4.0	2.0	2.0	25000000	5000
17	1.0	23.8	2.0	1.3	0.6	0.6	4900	980	2.0	0.8	1.0	2.0	1.0	1.0	2.0	1.0	1.0	28000000	10000
18	0.5	38.4	2.0	1.3	1.2	1.2	7840	5488	2.0	2.0	2.0	2.0	2.0	4.0	2.0	4.0	4.0	20000000	5000
19	0.3	25.6	2.0	5.0	1.5	7.5	6860	9800	4.0	1.2	4.0	8.0	3.4	4.0	8.0	8.0	8.0	12000000	5000
20	0.5	26.4	2.0	1.5	1.2	5.0	4410	4312	2.0	2.0	4.0	2.0	2.0	2.0	4.0	2.0	2.0	17000000	5100
21	1.6	30.0	1.1	1.0	0.8	0.4	1470	1378	1.9	1.3	0.6	0.6	0.6	0.6	1.3	0.6	0.6	26000000	15000

22	0.6	23.0	1.7	1.4	1.0	1.0	5472	4083	1.7	3.3	1.7	3.3	3.3	1.7	1.7	1.7	1.7	20000000	5500
23	0.4	20.6	2.0	2.1	1.1	1.8	5600	7560	2.9	3.4	2.9	2.9	2.9	2.9	5.7	8.6	5.7	15000000	2500
24	0.3	18.4	2.0	2.7	3.5	2.5	12740	9212	4.0	2.6	4.0	8.0	4.0	4.0	5.6	4.0	8.0	10000000	4800
25	0.3	18.4	2.0	2.6	3.5	2.5	9800	9800	4.0	4.0	4.0	4.0	4.0	4.0	4.6	4.0	4.0	10000000	4800
26	0.5	18.4	2.0	2.5	1.2	1.2	2450	3136	2.0	1.3	2.0	4.0	2.0	2.0	2.0	2.0	2.0	14500000	7000
27	0.5	18.4	2.0	2.5	1.2	2.5	1470	4508	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	15000000	7200
28	1.0	26.0	2.0	1.3	0.6	0.6	1225	1764	2.0	1.0	1.0	3.0	2.0	2.0	1.0	2.0	2.0	34000000	10000
29	0.5	19.8	2.0	1.7	1.2	1.2	2940	6664	4.0	2.0	0.9	2.0	2.0	2.0	2.0	4.0	6.0	16000000	7200
30	0.5	17.6	2.0	2.5	1.2	2.5	5880	3332	4.0	4.0	2.0	4.0	2.0	2.0	4.0	2.0	2.0	15000000	7200
31	0.3	19.4	1.2	1.3	1.4	2.5	4083	6043	3.3	1.4	3.3	3.3	3.0	3.3	6.7	6.7	3.3	10000000	3200
32	0.3	19.4	1.2	2.2	1.2	2.5	4900	6207	3.3	6.7	2.3	3.3	3.3	3.3	3.3	6.7	3.3	10000000	3000
33	0.5	24.6	0.9	3.0	1.2	3.0	7840	5586	4.0	2.0	0.8	4.0	2.0	2.0	4.0	4.0	2.0	11000000	5000
34	0.5	24.4	0.8	3.0	1.2	1.2	9310	6174	4.0	2.0	2.0	3.6	1.7	2.0	4.0	2.0	2.0	10000000	6500
35	0.5	31.4	0.9	3.0	1.2	3.0	7840	7448	4.0	1.4	2.0	4.0	2.0	2.0	4.0	2.0	2.0	12000000	6500
36	0.8	31.2	0.8	1.3	0.9	4.7	3981	4043	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5	1.3	14000000	3200
37	0.3	13.8	2.0	3.0	1.7	6.0	5292	7840	4.0	4.0	4.0	4.0	4.0	4.0	4.0	8.0	4.0	10000000	4800
38	0.4	22.8	0.9	1.9	1.0	3.8	5513	6125	2.5	2.5	2.5	1.9	1.6	2.5	2.5	5.0	5.0	10000000	2500
39	0.3	19.8	0.8	2.5	1.0	2.5	5390	8167	3.3	6.7	1.4	3.3	3.3	3.3	3.3	3.3	3.3	7500000	3000
40	0.5	30.0	1.0	1.3	1.2	1.5	5390	2450	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	10000000	6000
41	0.3	17.8	0.8	1.2	1.2	2.5	4900	2450	3.3	3.3	2.1	2.3	3.3	3.3	2.7	6.7	6.7	8500000	4000
42	0.5	40.8	0.8	2.5	1.2	1.5	4116	2450	2.0	2.0	2.0	2.0	0.8	2.0	4.0	4.0	4.0	10000000	6000
43	0.4	25.0	2.0	1.9	1.1	2.1	7980	4200	5.7	4.1	2.9	2.9	2.9	2.9	5.7	5.7	2.9	13000000	2700
44	0.8	27.8	1.1	1.2	0.9	0.8	4769	3267	2.7	2.7	2.7	2.7	1.3	1.3	1.3	1.3	1.3	15000000	8800

45	0.8	28.8	1.1	1.2	0.9	0.8	5031	2613	2.7	2.7	1.7	1.3	4.0	2.7	1.3	1.3	1.3	15000000	8800
46	1.0	41.4	1.0	1.9	1.3	0.8	4900	2450	3.0	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	18000000	10000
47	0.5	28.2	1.0	2.5	1.2	1.2	8820	4900	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	10000000	6600
48	0.5	29.4	0.8	2.5	1.2	1.2	8820	2450	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	10000000	6500
49	0.4	21.4	1.0	2.1	1.1	1.1	5600	2100	2.9	2.9	2.9	2.9	1.1	2.9	2.9	2.9	2.9	10000000	2500
50	0.5	26.8	0.9	2.5	1.2	1.5	7644	2450	4.0	2.0	4.0	2.0	2.0	2.0	2.0	6.0	4.0	10000000	6500
51	0.5	26.6	1.0	2.5	1.2	3.0	7448	2940	4.0	2.0	2.0	2.0	2.0	2.0	2.0	6.0	4.0	10000000	6500
52	0.4	20.4	1.0	4.3	1.1	2.1	4900	7000	2.9	2.9	2.9	2.9	2.9	2.9	2.9	8.6	5.7	10000000	2500
53	0.8	35.8	0.9	1.3	0.5	1.9	2573	2450	1.3	1.3	2.5	1.3	0.9	1.3	2.5	2.5	3.8	14000000	7500
54	0.3	18.6	1.0	1.2	1.9	2.5	5390	8167	3.3	1.5	3.3	2.7	3.3	3.3	3.3	6.7	6.7	10000000	3000
55	0.5	31.0	1.0	1.2	1.2	1.2	5194	4900	2.0	2.0	4.0	2.0	2.0	2.0	2.0	4.0	4.0	15000000	6500
56	0.6	31.4	1.1	1.2	1.1	1.1	6860	2227	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	15000000	2500
57	0.7	30.8	1.0	1.4	1.1	0.9	5040	1050	1.4	1.4	1.4	1.4	1.4	1.4	2.9	1.4	1.4	15000000	5700
58	0.7	28.0	1.0	1.4	1.1	0.9	5250	1750	1.4	1.4	1.4	1.4	1.2	1.4	1.4	1.4	1.4	15000000	5700
59	0.3	21.4	1.0	1.2	1.4	1.2	5717	4900	3.3	3.3	3.3	3.3	3.3	6.0	5.8	10.0	6.7	8000000	3000
60	0.3	23.4	1.0	1.2	1.4	1.2	9800	4083	6.7	6.7	3.3	3.3	3.3	3.3	3.3	6.7	6.7	8000000	3000
61	0.5	46.4	1.0	1.4	1.2	1.2	7840	2940	2.0	2.0	4.0	4.0	4.0	4.0	2.0	4.0	4.0	15000000	5000
62	1.0	28.2	1.0	1.3	1.0	0.9	4900	1225	2.0	2.0	1.0	3.0	2.0	2.0	2.0	2.0	3.0	21000000	10000
63	1.0	34.6	1.0	1.3	1.0	0.9	4900	1470	2.0	2.0	1.0	2.0	2.0	1.0	1.0	2.0	1.0	23000000	10000
64	0.2	36.8	1.3	2.1	1.7	2.5	8820	8167	6.7	1.2	2.8	2.3	3.0	5.2	4.3	6.7	6.7	8000000	2400
65	1.0	49.8	1.0	0.6	0.6	0.6	3773	1470	2.0	1.0	2.0	5.0	2.0	1.0	1.0	2.0	1.0	11000000	10000
66	2.0	50.4	1.5	0.9	0.6	0.6	3430	613	1.0	0.5	1.0	1.0	1.0	0.5	0.5	1.0	0.5	60000000	18000
67	2.0	82.0	1.5	1.3	0.9	0.9	4410	735	1.5	1.0	1.5	1.0	1.0	0.5	1.0	1.0	0.5	60000000	18000

68	0.6	35.0	1.1	1.0	1.3	2.1	5145	2042	3.3	1.7	1.7	3.3	1.7	1.7	1.7	3.3	5.0	14000000	6000
69	0.5	45.4	1.2	1.5	1.2	2.5	6664	2940	6.0	1.4	4.0	2.0	2.0	2.0	6.0	4.0	2.0	12000000	3400
70	1.0	48.8	1.0	1.3	1.3	1.3	4312	1225	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	20000000	9000
71	0.4	19.2	1.0	1.1	1.1	1.1	5180	4200	5.7	8.6	1.1	5.7	2.9	2.9	2.9	5.7	5.7	10000000	3500
72	1.0	80.8	1.2	1.3	1.3	0.6	4361	1225	3.0	2.0	3.0	4.0	1.0	1.0	3.0	2.0	2.0	28000000	9500
73	0.3	25.2	1.0	1.4	1.3	1.2	3267	4900	6.7	4.8	3.3	4.3	3.3	3.3	5.7	6.7	3.3	10000000	4900
74	0.2	55.4	1.3	2.1	1.7	1.7	20907	8167	6.7	0.7	3.3	6.7	2.0	3.0	6.7	6.7	6.7	10000000	2500
75	0.8	44.4	1.1	1.3	1.0	0.8	2221	1960	1.3	2.7	2.7	1.3	1.3	1.3	1.3	1.3	1.3	17000000	8900
76	0.3	49.6	1.0	1.3	1.4	1.2	8167	8983	3.3	4.5	3.3	3.3	3.3	3.3	6.3	6.7	3.3	10000000	4900
77	0.8	71.0	1.1	1.3	1.2	1.0	9147	4573	1.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7	1.3	25000000	8000
78	2.0	53.2	1.5	0.9	0.6	0.3	2450	1323	0.5	0.5	1.5	1.5	1.0	0.5	1.0	1.0	0.5	70000000	20000
79	1.0	56.0	1.0	1.3	0.6	0.6	8820	3920	1.0	1.0	2.0	4.0	1.0	1.0	1.0	2.0	2.0	22000000	10000
80	2.0	97.0	0.5	0.9	0.6	0.6	3920	1421	0.5	1.0	1.0	0.5	1.0	1.0	1.0	1.0	1.0	24000000	18000
81	1.0	35.0	1.0	1.3	1.3	1.3	5880	2646	1.0	0.8	4.0	1.0	1.0	2.0	2.0	3.0	2.0	15000000	10000
82	1.0	38.8	1.0	0.6	0.6	0.6	6370	2940	2.0	2.0	3.0	1.0	1.0	3.0	5.0	3.0	2.0	26000000	10000
83	1.0	38.4	1.5	0.6	0.6	0.6	7105	3577	1.0	1.0	2.0	1.0	1.0	2.0	4.0	2.0	1.0	37000000	10000
84	1.0	30.4	2.0	0.6	0.6	0.6	6958	4116	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	35000000	10000
85	1.0	32.8	1.5	1.9	0.6	0.6	7644	4410	2.0	1.0	2.0	1.0	1.0	1.0	5.0	3.0	2.0	24000000	10000
86	2.0	54.4	1.3	1.3	0.6	0.6	5635	2132	1.0	1.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	45000000	17500
87	1.0	89.6	1.0	1.3	0.6	1.3	11956	4165	1.0	1.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	30000000	10000
88	1.0	46.2	1.2	1.3	1.3	1.0	4900	4067	2.0	2.0	2.0	3.0	2.0	1.0	3.0	1.0	1.0	25000000	10000
89	2.0	60.0	1.3	1.3	0.6	0.4	5390	2205	0.8	0.5	2.0	1.0	1.0	1.5	1.0	1.0	1.0	50000000	20000
90	1.0	32.4	2.0	0.6	1.3	0.6	7105	4410	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	35000000	10000

91	2.1	40.6	1.7	1.2	1.2	0.3	4780	2868	1.5	0.5	1.5	1.0	1.0	1.0	1.5	1.5	1.0	43000000	18000
92	1.0	39.4	2.0	1.0	0.6	1.3	4704	4361	1.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	360000000	10000
93	0.5	44.4	2.0	1.2	1.2	1.2	8722	5488	2.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23000000	5000
94	0.3	30.0	1.0	1.4	0.8	2.1	4900	7023	3.3	6.7	2.0	3.3	3.3	3.3	3.3	3.3	3.3	8000000	3300
95	0.3	15.8	1.0	1.3	1.0	1.3	5553	6860	3.3	3.3	1.3	3.3	3.3	3.3	3.3	3.3	3.3	7000000	3300
96	0.5	53.0	2.0	1.2	0.8	1.2	5390	5390	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	20000000	5300
97	1.0	61.0	2.0	1.3	1.3	1.3	5390	4361	1.0	1.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	38000000	10000
98	0.5	40.0	1.0	1.2	1.2	2.5	9800	7644	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	10000000	7000
99	0.5	23.2	1.0	1.2	1.2	1.2	9800	8232	2.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0	10000000	7000
100	0.5	32.2	1.0	1.2	1.2	3.7	9800	8820	2.0	4.0	2.0	1.4	2.0	2.0	4.0	2.0	2.0	10000000	5000
101	0.3	25.6	1.0	1.2	0.8	2.1	9800	11433	3.3	3.3	3.3	3.3	3.3	3.3	5.0	3.3	3.3	10000000	3200
102	0.5	30.6	1.0	1.2	1.2	2.5	6468	9800	2.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0	10000000	6000
103	0.5	37.6	1.0	1.2	1.2	1.2	3920	7154	1.2	2.0	2.0	4.0	2.0	2.0	4.0	2.0	2.0	15000000	6000
104	0.3	18.6	1.0	1.4	1.0	2.1	7023	4083	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	10000000	3200
105	0.3	19.0	1.0	1.4	1.0	2.1	5390	4573	3.3	6.7	3.3	3.3	3.3	3.3	3.3	3.3	3.3	10000000	3200
106	0.3	25.8	1.0	1.2	1.5	2.5	10584	10976	0.7	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10000000	2300
107	0.5	20.2	1.2	1.2	1.2	2.5	4410	1960	2.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0	15000000	7000
108	0.3	14.4	1.0	1.5	1.2	2.5	7840	11172	4.0	4.0	4.0	4.0	4.0	4.0	9.6	8.0	8.0	10000000	2300
109	0.5	38.0	1.0	2.5	1.2	2.5	2940	2940	2.0	4.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	12000000	6500
110	0.3	29.4	1.0	1.5	1.2	2.5	9800	12348	1.0	4.0	2.8	4.0	2.0	4.0	8.0	8.0	8.0	10000000	2450
111	0.4	13.2	1.1	1.9	1.1	1.8	5600	7980	2.9	5.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9	10000000	3300
112	0.5	24.6	1.0	2.5	0.8	1.2	9800	6664	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	10000000	7000
113	0.3	19.6	0.8	1.2	1.2	1.2	5717	5063	3.3	2.3	6.7	3.3	3.3	3.3	3.3	3.3	3.3	10000000	3000

114	0.5	21.2	1.0	1.2	1.2	1.2	1960	3430	0.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	10000000	6500
115	0.3	14.4	0.7	2.1	1.0	2.1	49000	7350	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	10000000	3000
116	0.5	33.6	1.0	1.2	1.2	1.2	29400	7742	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	12000000	5000
117	1.0	53.2	2.0	0.6	0.6	0.6	14700	1470	1.7	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	28000000	10000
118	0.5	46.4	1.2	1.2	1.2	1.2	29400	6174	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	13000000	5000
119	1.0	47.8	2.0	1.3	0.6	1.3	4900	2793	2.0	1.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	37000000	10000
120	0.5	37.0	1.2	2.5	1.2	1.2	1960	6664	2.0	0.8	2.0	1.6	2.0	2.0	2.0	2.0	2.0	12000000	5000
121	0.5	54.6	1.0	1.2	1.2	6.2	49000	3038	2.0	4.0	4.0	2.5	4.0	4.0	4.0	6.0	4.0	18000000	5000
122	0.6	44.0	1.1	2.1	1.0	7.3	24500	2858	1.7	3.3	3.3	3.3	3.3	1.7	1.7	3.3	3.3	30000000	4900
123	0.4	41.4	0.9	3.1	1.6	3.1	36750	5513	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	14000000	3200
124	0.3	47.8	1.2	1.2	1.0	12.5	137200	15484	8.0	0.6	4.0	4.0	4.0	4.0	4.0	8.0	7.4	14000000	2200
125	3.0	56.8	0.8	0.8	0.4	1.0	11433	572	0.7	0.3	0.7	0.7	0.7	1.0	0.3	0.3	0.3	60000000	30000
126	0.5	40.8	1.2	1.2	2.5	3.7	29400	4410	4.0	4.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0	18000000	5000
127	2.8	42.0	1.0	0.7	0.5	0.2	5345	1408	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	60000000	25000
128	0.3	41.6	1.2	5.0	2.5	2.5	5880	6860	4.0	4.0	4.0	4.0	4.0	5.6	4.0	8.0	8.0	13000000	3000
129	1.0	41.6	2.0	0.6	0.6	0.6	1470	2205	1.0	2.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	45000000	10000
130	2.0	41.6	1.0	0.6	0.6	0.3	735	1936	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	0.9	46000000	20000
131	3.0	80.2	1.0	0.8	0.6	0.2	490	572	0.7	0.7	1.0	0.7	1.0	0.7	0.7	1.0	0.7	64000000	30000
132	0.5	20.6	1.2	1.2	1.2	1.2	2450	4410	2.0	2.0	2.0	2.0	2.0	4.0	2.0	2.0	2.0	15000000	6400
133	2.0	60.4	0.9	1.3	0.6	0.3	1225	1936	0.5	0.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	40000000	20000
134	1.0	38.4	2.0	1.3	1.3	1.3	4900	2205	2.0	1.0	1.0	2.0	1.0	1.0	2.0	2.0	3.0	46000000	10000
135	1.0	31.6	2.0	0.6	0.6	0.6	1470	3871	2.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	45000000	10000
136	0.3	11.4	1.0	1.2	0.8	0.8	3267	5717	0.8	3.3	3.3	3.3	3.3	3.3	3.3	3.3	6.7	8500000	3100

137	0.3	27.0	1.0	1.2	0.8	0.8	8167	7350	3.3	1.1	1.5	6.7	4.2	3.3	3.3	3.3	3.3	10000000	3000
138	1.0	46.2	2.0	1.3	0.6	0.6	4900	1715	1.0	1.0	2.0	3.0	1.0	3.0	2.0	2.0	3.0	47000000	10000
139	0.5	20.8	1.0	1.2	1.2	1.2	4900	4410	6.0	2.0	2.0	4.0	2.0	2.0	2.0	2.0	2.0	14000000	6000
140	0.4	39.0	0.9	1.0	0.8	1.6	6125	9678	2.5	2.5	2.5	4.5	2.5	2.5	7.5	5.0	5.0	13000000	3500
141	1.7	30.6	0.9	0.7	0.6	0.7	2882	1009	1.8	0.7	1.2	1.2	1.2	0.6	1.2	1.8	0.6	40000000	13000
142	0.8	54.8	1.0	1.1	0.9	0.9	15313	3981	2.5	1.3	1.3	3.8	1.3	1.3	1.3	1.3	1.3	23000000	6500
143	0.6	46.8	1.2	1.4	1.0	1.3	24500	5717	1.3	1.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	20000000	6000
144	0.7	39.6	1.1	1.2	0.9	0.9	14000	3290	1.4	2.9	1.4	1.4	1.3	1.4	2.9	1.4	1.4	21000000	6500
145	0.3	44.4	1.2	1.4	1.2	2.7	32667	7350	3.3	0.8	1.3	3.3	3.3	6.7	3.3	3.3	3.3	14000000	3200
146	0.4	35.0	1.0	1.1	0.9	1.2	28000	10780	2.9	2.9	2.9	2.9	2.9	5.7	6.3	5.7	2.9	13000000	3100
147	0.5	24.6	1.0	1.2	1.2	1.2	19600	7154	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0	4.0	15000000	5000
148	1.0	43.2	2.0	1.3	0.6	0.6	1470	2940	0.9	2.0	1.0	0.9	2.0	1.5	1.0	2.0	1.0	46000000	10000
149	1.0	37.0	2.0	1.3	0.6	1.0	4900	3920	2.0	0.8	2.0	2.0	1.0	2.0	0.8	2.0	0.9	30000000	10000
150	0.5	31.0	1.2	1.2	1.2	2.0	9800	6860	1.3	2.0	1.4	2.8	2.0	2.0	2.0	2.0	2.0	15000000	5000

Sumber: Data Setelah Diolah, 2023

Lampiran 3. Logaritma Natural

No	Ln_X1	Ln_X2	Ln_X3	Ln_X4	Ln_X5	Ln_X6	Ln_X7	Ln_X8	Ln_X9	Ln_X10	Ln_X11	Ln_X12	Ln_X13	Ln_X14	Ln_X15	Ln_X16	Ln_X17	Ln_X18	Ln_Y
1	0.00	4.17	0.69	0.63	-0.48	0.22	9.19	8.27	-0.29	0.52	0.47	0.59	0.59	0.69	0.69	0.00	0.00	17.22	9.21
2	-1.39	3.21	0.69	1.61	0.39	0.39	8.27	8.27	-0.51	0.31	0.65	0.77	0.52	1.39	1.60	2.08	2.08	16.12	8.48
3	0.69	4.12	0.69	0.22	-0.46	-1.17	7.80	7.29	-0.16	-0.54	0.29	0.00	0.05	0.00	-0.69	0.00	0.41	17.91	9.68
4	-1.20	3.64	0.98	0.37	0.21	0.73	8.50	9.01	0.07	0.26	0.69	0.77	0.60	1.20	1.90	1.20	1.20	16.52	8.01
5	-1.20	3.67	0.98	0.37	0.21	1.43	8.65	9.01	0.31	-0.19	0.60	1.20	0.98	1.20	1.90	1.20	1.20	16.52	8.01
6	-0.69	3.35	1.28	0.69	0.22	0.22	8.59	8.50	-0.11	0.88	0.26	0.69	0.96	1.39	1.39	0.69	0.69	16.95	8.52
7	-1.39	3.37	0.69	0.96	0.39	0.39	8.50	8.68	0.25	0.52	0.31	1.86	1.03	1.39	1.16	1.39	1.39	16.12	8.41
8	-1.20	2.47	0.77	0.29	-0.19	0.73	8.31	9.01	0.18	0.85	0.29	0.39	1.20	1.54	1.90	1.90	1.20	15.76	6.31
9	0.69	3.88	0.41	0.22	-0.46	-0.46	6.75	7.09	-0.46	0.32	-0.11	0.41	0.00	0.05	-0.69	0.00	-0.69	17.73	9.68
10	0.00	3.99	0.69	0.63	-0.48	-0.48	7.29	7.70	0.55	0.26	0.20	0.69	0.69	0.69	0.69	1.10	0.69	17.22	9.21
11	-0.69	3.64	1.28	0.26	0.55	0.22	8.90	8.68	0.69	0.44	0.18	0.69	0.18	0.69	0.69	0.69	0.69	17.11	8.52
12	-1.39	2.93	0.69	1.61	0.39	0.47	8.80	9.19	1.39	0.79	0.57	1.39	1.39	1.39	1.39	1.39	1.39	15.89	8.48
13	-1.39	3.22	0.69	1.61	0.39	0.91	8.41	8.17	1.39	0.25	1.39	-0.33	1.39	1.39	1.39	1.39	1.39	15.89	8.48
14	0.00	3.65	0.69	0.63	-0.48	-0.48	8.76	6.98	0.00	0.10	0.69	0.00	0.00	0.00	0.00	0.00	0.00	17.22	9.21
15	0.00	3.71	0.69	0.63	-0.48	0.22	7.90	6.94	0.00	0.69	0.55	1.10	0.69	0.00	0.00	0.00	0.00	17.22	9.10
16	-0.69	2.86	1.28	0.26	0.11	0.22	8.39	8.61	0.69	1.39	0.69	1.39	0.69	0.69	1.39	0.69	0.69	17.03	8.52
17	0.00	3.17	0.69	0.22	-0.48	-0.48	8.50	6.89	0.69	-0.27	0.00	0.69	0.00	0.00	0.69	0.00	0.00	17.15	9.21
18	-0.69	3.65	0.69	0.26	0.22	0.22	8.97	8.61	0.69	0.69	0.69	0.69	0.69	1.39	0.69	1.39	1.39	16.81	8.52
19	-1.39	3.24	0.69	1.61	0.39	2.01	8.83	9.19	1.39	0.18	1.39	2.08	1.22	1.39	2.08	2.08	2.08	16.30	8.52
20	-0.69	3.27	0.69	0.41	0.22	1.61	8.39	8.37	0.69	0.69	1.39	0.69	0.69	0.69	1.39	0.69	0.69	16.65	8.54
21	0.47	3.40	0.12	0.03	-0.25	-0.94	7.29	7.23	0.63	0.22	-0.46	-0.46	-0.46	-0.46	0.22	-0.46	-0.46	17.07	9.62

22	-0.51	3.14	0.51	0.30	0.03	0.03	8.61	8.31	0.51	1.20	0.51	1.20	1.20	0.51	0.51	0.51	0.51	16.81	8.61
23	-1.05	3.03	0.69	0.76	0.06	0.57	8.63	8.93	1.05	1.23	1.05	1.05	1.05	1.05	1.74	2.15	1.74	16.52	7.82
24	-1.39	2.91	0.69	1.00	1.25	0.91	9.45	9.13	1.39	0.96	1.39	2.08	1.39	1.39	1.72	1.39	2.08	16.12	8.48
25	-1.39	2.91	0.69	0.96	1.25	0.91	9.19	9.19	1.39	1.39	1.39	1.39	1.39	1.39	1.53	1.39	1.39	16.12	8.48
26	-0.69	2.91	0.69	0.92	0.22	0.22	7.80	8.05	0.69	0.25	0.69	1.39	0.69	0.69	0.69	0.69	0.69	16.49	8.85
27	-0.69	2.91	0.69	0.92	0.22	0.92	7.29	8.41	0.69	0.69	0.69	1.39	0.69	0.69	0.69	0.69	0.69	16.52	8.88
28	0.00	3.26	0.69	0.22	-0.48	-0.48	7.11	7.48	0.69	0.00	0.00	1.10	0.69	0.69	0.00	0.69	0.69	17.34	9.21
29	-0.69	2.99	0.69	0.55	0.22	0.22	7.99	8.80	1.39	0.69	-0.13	0.69	0.69	0.69	0.69	1.39	1.79	16.59	8.88
30	-0.69	2.87	0.69	0.92	0.22	0.92	8.68	8.11	1.39	1.39	0.69	1.39	0.69	0.69	1.39	0.69	0.69	16.52	8.88
31	-1.20	2.97	0.16	0.29	0.36	0.92	8.31	8.71	1.20	0.34	1.20	1.20	1.10	1.20	1.90	1.90	1.20	16.12	8.07
32	-1.20	2.97	0.16	0.77	0.21	0.92	8.50	8.73	1.20	1.90	0.82	1.20	1.20	1.20	1.20	1.90	1.20	16.12	8.01
33	-0.69	3.20	-0.11	1.10	0.22	1.10	8.97	8.63	1.39	0.69	-0.22	1.39	0.69	0.69	1.39	1.39	0.69	16.21	8.52
34	-0.69	3.19	-0.17	1.10	0.22	0.22	9.14	8.73	1.39	0.69	0.69	1.28	0.53	0.69	1.39	0.69	0.69	16.12	8.78
35	-0.69	3.45	-0.11	1.10	0.22	1.10	8.97	8.92	1.39	0.34	0.69	1.39	0.69	0.69	1.39	0.69	0.69	16.30	8.78
36	-0.22	3.44	-0.29	0.22	-0.06	1.55	8.29	8.30	0.92	0.92	0.22	0.22	0.22	0.22	0.22	0.92	0.22	16.45	8.07
37	-1.39	2.62	0.69	1.10	0.54	1.79	8.57	8.97	1.39	1.39	1.39	1.39	1.39	1.39	1.39	2.08	1.39	16.12	8.48
38	-0.92	3.13	-0.13	0.63	0.00	1.32	8.61	8.72	0.92	0.92	0.92	0.63	0.49	0.92	0.92	1.61	1.61	16.12	7.82
39	-1.20	2.99	-0.19	0.92	0.00	0.92	8.59	9.01	1.20	1.90	0.34	1.20	1.20	1.20	1.20	1.20	1.20	15.83	8.01
40	-0.69	3.40	0.00	0.26	0.22	0.41	8.59	7.80	0.69	0.69	0.69	0.69	0.69	0.69	0.69	1.39	1.39	16.12	8.70
41	-1.20	2.88	-0.19	0.21	0.21	0.92	8.50	7.80	1.20	1.20	0.73	0.85	1.20	1.20	0.98	1.90	1.90	15.96	8.29
42	-0.69	3.71	-0.22	0.92	0.22	0.41	8.32	7.80	0.69	0.69	0.69	0.69	-0.22	0.69	1.39	1.39	1.39	16.12	8.70
43	-1.05	3.22	0.69	0.66	0.13	0.76	8.98	8.34	1.74	1.41	1.05	1.05	1.05	1.05	1.74	1.74	1.05	16.38	7.90
44	-0.29	3.33	0.07	0.15	-0.07	-0.19	8.47	8.09	0.98	0.98	0.98	0.98	0.29	0.29	0.29	0.29	0.29	16.52	9.08

45	-0.29	3.36	0.07	0.15	-0.07	-0.19	8.52	7.87	0.98	0.98	0.54	0.29	1.39	0.98	0.29	0.29	0.29	16.52	9.08
46	0.00	3.72	0.00	0.63	0.22	-0.29	8.50	7.80	1.10	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.71	9.21
47	-0.69	3.34	0.00	0.92	0.22	0.22	9.08	8.50	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	16.12	8.79
48	-0.69	3.38	-0.22	0.92	0.22	0.22	9.08	7.80	0.69	0.69	0.69	0.69	0.69	0.69	0.69	1.39	1.39	16.12	8.78
49	-1.05	3.06	0.00	0.76	0.06	0.13	8.63	7.65	1.05	1.05	1.05	1.05	0.13	1.05	1.05	1.05	1.05	16.12	7.82
50	-0.69	3.29	-0.11	0.92	0.22	0.41	8.94	7.80	1.39	0.69	1.39	0.69	0.69	0.69	0.69	1.79	1.39	16.12	8.78
51	-0.69	3.28	0.00	0.92	0.22	1.10	8.92	7.99	1.39	0.69	0.69	0.69	0.69	0.69	0.69	1.79	1.39	16.12	8.78
52	-1.05	3.02	0.00	1.46	0.13	0.76	8.50	8.85	1.05	1.05	1.05	1.05	1.05	1.05	1.05	2.15	1.74	16.12	7.82
53	-0.22	3.58	-0.06	0.22	-0.62	0.63	7.85	7.80	0.22	0.22	0.92	0.22	-0.07	0.22	0.92	0.92	1.32	16.45	8.92
54	-1.20	2.92	0.00	0.21	0.63	0.92	8.59	9.01	1.20	0.43	1.20	0.98	1.20	1.20	1.20	1.90	1.90	16.12	8.01
55	-0.69	3.43	0.00	0.22	0.22	0.22	8.56	8.50	0.69	0.69	1.39	0.69	0.69	0.69	0.69	1.39	1.39	16.52	8.78
56	-0.60	3.45	0.09	0.22	0.12	0.12	8.83	7.71	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	16.52	7.82
57	-0.36	3.43	0.00	0.36	0.07	-0.12	8.53	6.96	0.36	0.36	0.36	0.36	0.36	0.36	1.05	0.36	0.36	16.52	8.65
58	-0.36	3.33	0.00	0.36	0.07	-0.12	8.57	7.47	0.36	0.36	0.36	0.36	0.16	0.36	0.36	0.36	0.36	16.52	8.65
59	-1.20	3.06	0.00	0.21	0.36	0.21	8.65	8.50	1.20	1.20	1.20	1.20	1.20	1.79	1.76	2.30	1.90	15.89	8.01
60	-1.20	3.15	0.00	0.21	0.36	0.21	9.19	8.31	1.90	1.90	1.20	1.20	1.20	1.20	1.20	1.90	1.90	15.89	8.01
61	-0.69	3.84	0.00	0.31	0.22	0.22	8.97	7.99	0.69	0.69	1.39	1.39	1.39	1.39	0.69	1.39	1.39	16.52	8.52
62	0.00	3.34	0.00	0.22	0.00	-0.14	8.50	7.11	0.69	0.69	0.00	1.10	0.69	0.69	0.69	0.69	1.10	16.86	9.21
63	0.00	3.54	0.00	0.22	0.00	-0.14	8.50	7.29	0.69	0.69	0.00	0.69	0.69	0.00	0.00	0.69	0.00	16.95	9.21
64	-1.90	3.61	0.29	0.73	0.51	0.90	9.08	9.01	1.90	0.18	1.03	0.85	1.10	1.65	1.47	1.90	1.90	15.89	7.78
65	0.00	3.91	0.00	-0.48	-0.48	-0.48	8.24	7.29	0.69	0.00	0.69	1.61	0.69	0.00	0.00	0.69	0.00	16.21	9.21
66	0.69	3.92	0.41	-0.06	-0.46	-0.46	8.14	6.42	0.00	-0.69	0.00	0.00	0.00	-0.69	-0.69	0.00	-0.69	17.91	9.80
67	0.69	4.41	0.41	0.22	-0.06	-0.06	8.39	6.60	0.41	0.00	0.41	0.00	0.00	-0.69	0.00	0.00	-0.69	17.91	9.80

68	-0.51	3.56	0.05	0.03	0.22	0.73	8.55	7.62	1.20	0.51	0.51	1.20	0.51	0.51	0.51	1.20	1.61	16.45	8.70
69	-0.69	3.82	0.18	0.41	0.22	0.92	8.80	7.99	1.79	0.31	1.39	0.69	0.69	0.69	1.79	1.39	0.69	16.30	8.13
70	0.00	3.89	0.00	0.22	0.22	0.22	8.37	7.11	0.00	0.69	0.69	0.69	0.00	0.00	0.00	0.00	0.00	16.81	9.10
71	-1.05	2.95	0.00	0.13	0.13	0.13	8.55	8.34	1.74	2.15	0.13	1.74	1.05	1.05	1.05	1.74	1.74	16.12	8.16
72	0.00	4.39	0.18	0.22	0.22	-0.48	8.38	7.11	1.10	0.69	1.10	1.39	0.00	0.00	1.10	0.69	0.69	17.15	9.16
73	-1.20	3.23	0.00	0.36	0.29	0.21	8.09	8.50	1.90	1.57	1.20	1.47	1.20	1.20	1.74	1.90	1.20	16.12	8.50
74	-1.90	4.01	0.29	0.73	0.51	0.51	9.95	9.01	1.90	-0.40	1.20	1.90	0.69	1.10	1.90	1.90	1.90	16.12	7.82
75	-0.29	3.79	0.07	0.29	0.00	-0.19	7.71	7.58	0.29	0.98	0.98	0.29	0.29	0.29	0.29	0.29	0.29	16.65	9.09
76	-1.20	3.90	0.00	0.29	0.36	0.21	9.01	9.10	1.20	1.50	1.20	1.20	1.20	1.20	1.85	1.90	1.20	16.12	8.50
77	-0.29	4.26	0.07	0.29	0.15	0.00	9.12	8.43	0.29	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.29	17.03	8.99
78	0.69	3.97	0.41	-0.06	-0.46	-1.17	7.80	7.19	-0.69	-0.69	0.41	0.41	0.00	-0.69	0.00	0.00	-0.69	18.06	9.90
79	0.00	4.03	0.00	0.22	-0.48	-0.48	9.08	8.27	0.00	0.00	0.69	1.39	0.00	0.00	0.00	0.69	0.69	16.91	9.21
80	0.69	4.57	-0.69	-0.06	-0.46	-0.46	8.27	7.26	-0.73	0.00	0.00	-0.69	0.00	0.00	0.00	0.00	0.00	16.99	9.80
81	0.00	3.56	0.00	0.22	0.22	0.22	8.68	7.88	0.00	-0.22	1.39	0.00	0.00	0.69	0.69	1.10	0.69	16.52	9.21
82	0.00	3.66	0.00	-0.48	-0.48	-0.48	8.76	7.99	0.69	0.69	1.10	0.00	0.00	1.10	1.61	1.10	0.69	17.07	9.21
83	0.00	3.65	0.41	-0.48	-0.48	-0.48	8.87	8.18	0.00	0.00	0.69	0.00	0.00	0.69	1.39	0.69	0.00	17.43	9.21
84	0.00	3.41	0.69	-0.48	-0.48	-0.48	8.85	8.32	0.69	0.69	0.69	0.00	0.00	0.69	0.69	0.69	0.69	17.37	9.21
85	0.00	3.49	0.41	0.63	-0.48	-0.48	8.94	8.39	0.69	0.00	0.69	0.00	0.00	0.00	1.61	1.10	0.69	16.99	9.21
86	0.69	4.00	0.22	0.22	-0.46	-0.46	8.64	7.66	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	17.62	9.77
87	0.00	4.50	0.00	0.22	-0.48	0.22	9.39	8.33	0.00	0.00	0.69	0.00	0.00	0.00	0.69	0.69	0.69	17.22	9.21
88	0.00	3.83	0.18	0.22	0.22	0.00	8.50	8.31	0.69	0.69	0.69	1.10	0.69	0.00	1.10	0.00	0.00	17.03	9.21
89	0.69	4.09	0.22	0.22	-0.46	-0.82	8.59	7.70	-0.20	-0.69	0.69	0.00	0.00	0.41	0.00	0.00	0.00	17.73	9.90
90	0.00	3.48	0.69	-0.48	0.22	-0.48	8.87	8.39	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.37	9.21

91	0.72	3.70	0.54	0.20	0.20	-1.20	8.47	7.96	0.38	-0.71	0.38	-0.02	-0.02	-0.02	0.38	0.38	-0.02	17.58	9.80
92	0.00	3.67	0.69	0.00	-0.48	0.22	8.46	8.38	0.00	0.69	0.69	0.69	0.69	0.00	0.00	0.00	0.00	19.70	9.21
93	-0.69	3.79	0.69	0.22	0.22	0.22	9.07	8.61	0.69	1.39	0.69	0.69	0.69	0.69	0.69	0.69	0.69	16.95	8.52
94	-1.20	3.40	0.00	0.36	-0.19	0.73	8.50	8.86	1.20	1.90	0.69	1.20	1.20	1.20	1.20	1.20	1.20	15.89	8.10
95	-1.20	2.76	0.00	0.29	0.00	0.29	8.62	8.83	1.20	1.20	0.29	1.20	1.20	1.20	1.20	1.20	1.20	15.76	8.10
96	-0.69	3.97	0.69	0.22	-0.22	0.22	8.59	8.59	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	16.81	8.58
97	0.00	4.11	0.69	0.22	0.22	0.22	8.59	8.38	0.00	0.00	1.10	1.10	0.69	0.69	0.69	0.69	0.69	17.45	9.21
98	-0.69	3.69	0.00	0.22	0.22	0.92	9.19	8.94	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	16.12	8.85
99	-0.69	3.14	0.00	0.22	0.22	0.22	9.19	9.02	0.69	0.69	0.69	0.69	0.69	0.69	1.39	0.69	0.69	16.12	8.85
100	-0.69	3.47	0.00	0.22	0.22	1.32	9.19	9.08	0.69	1.39	0.69	0.31	0.69	0.69	1.39	0.69	0.69	16.12	8.52
101	-1.20	3.24	0.00	0.21	-0.19	0.73	9.19	9.34	1.20	1.20	1.20	1.20	1.20	1.20	1.61	1.20	1.20	16.12	8.07
102	-0.69	3.42	0.00	0.22	0.22	0.92	8.77	9.19	0.69	0.69	0.69	0.69	0.69	0.69	1.39	0.69	0.69	16.12	8.70
103	-0.69	3.63	0.00	0.22	0.22	0.22	8.27	8.88	0.15	0.69	0.69	1.39	0.69	0.69	1.39	0.69	0.69	16.52	8.70
104	-1.20	2.92	0.00	0.36	0.00	0.73	8.86	8.31	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	16.12	8.07
105	-1.20	2.94	0.00	0.36	0.00	0.73	8.59	8.43	1.20	1.90	1.20	1.20	1.20	1.20	1.20	1.20	1.20	16.12	8.07
106	-1.39	3.25	0.00	0.22	0.39	0.91	9.27	9.30	-0.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	16.12	7.74
107	-0.69	3.01	0.18	0.22	0.22	0.92	8.39	7.58	0.69	0.69	0.69	0.69	0.69	0.69	1.39	0.69	0.69	16.52	8.85
108	-1.39	2.67	0.00	0.39	0.18	0.91	8.97	9.32	1.39	1.39	1.39	1.39	1.39	1.39	2.26	2.08	2.08	16.12	7.74
109	-0.69	3.64	0.00	0.92	0.22	0.92	7.99	7.99	0.69	1.39	0.69	0.69	0.69	0.69	1.39	1.39	1.39	16.30	8.78
110	-1.39	3.38	0.00	0.39	0.18	0.91	9.19	9.42	-0.04	1.39	1.03	1.39	0.69	1.39	2.08	2.08	2.08	16.12	7.80
111	-1.05	2.58	0.13	0.66	0.13	0.57	8.63	8.98	1.05	1.74	1.05	1.05	1.05	1.05	1.05	1.05	1.05	16.12	8.10
112	-0.69	3.20	0.00	0.92	-0.22	0.22	9.19	8.80	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	16.12	8.85
113	-1.20	2.98	-0.19	0.21	0.21	0.21	8.65	8.53	1.20	0.82	1.90	1.20	1.20	1.20	1.20	1.20	1.20	16.12	8.01

114	-0.69	3.05	0.00	0.22	0.22	0.22	7.58	8.14	-0.51	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	16.12	8.78
115	-1.20	2.67	-0.40	0.73	0.00	0.73	10.80	8.90	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	16.12	8.01
116	-0.69	3.51	0.00	0.22	0.22	0.22	10.29	8.95	0.69	0.69	0.69	0.69	1.39	0.69	0.69	0.69	0.69	16.30	8.52
117	0.00	3.97	0.69	-0.48	-0.48	-0.48	9.60	7.29	0.52	0.00	0.69	0.69	0.69	0.69	0.69	0.69	0.69	17.15	9.21
118	-0.69	3.84	0.18	0.22	0.22	0.22	10.29	8.73	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	16.38	8.52
119	0.00	3.87	0.69	0.22	-0.48	0.22	8.50	7.93	0.69	0.00	1.10	0.69	0.69	0.69	0.69	0.69	0.69	17.43	9.21
120	-0.69	3.61	0.18	0.92	0.22	0.22	7.58	8.80	0.69	-0.22	0.69	0.47	0.69	0.69	0.69	0.69	0.69	16.30	8.52
121	-0.69	4.00	0.00	0.22	0.22	1.83	10.80	8.02	0.69	1.39	1.39	0.92	1.39	1.39	1.39	1.79	1.39	16.71	8.52
122	-0.51	3.78	0.08	0.73	0.03	1.99	10.11	7.96	0.51	1.20	1.20	1.20	1.20	0.51	0.51	1.20	1.20	17.22	8.50
123	-0.92	3.72	-0.13	1.14	0.44	1.14	10.51	8.61	0.92	0.92	0.92	0.92	0.92	0.92	0.92	1.61	1.61	16.45	8.07
124	-1.39	3.87	0.18	0.22	0.00	2.52	11.83	9.65	2.08	-0.45	1.39	1.39	1.39	1.39	1.39	2.08	2.00	16.45	7.70
125	1.10	4.04	-0.19	-0.19	-0.87	0.04	9.34	6.35	-0.40	-1.11	-0.40	-0.40	-0.40	0.00	-1.11	-1.11	-1.11	17.91	10.31
126	-0.69	3.71	0.18	0.22	0.92	1.32	10.29	8.39	1.39	1.39	0.69	0.69	0.69	0.69	1.39	1.39	1.79	16.71	8.52
127	1.01	3.74	-0.02	-0.39	-0.80	-1.47	8.58	7.25	-1.02	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31	17.91	10.13
128	-1.39	3.73	0.18	1.61	0.91	0.91	8.68	8.83	1.39	1.39	1.39	1.39	1.39	1.72	1.39	2.08	2.08	16.38	8.01
129	0.00	3.73	0.69	-0.48	-0.48	-0.48	7.29	7.70	0.00	0.69	0.69	0.00	0.69	0.00	0.00	0.00	0.00	17.62	9.21
130	0.69	3.73	0.00	-0.46	-0.46	-1.17	6.60	7.57	0.00	0.00	0.00	0.00	0.00	-0.69	0.00	0.00	-0.13	17.64	9.90
131	1.10	4.38	0.00	-0.19	-0.48	-1.56	6.19	6.35	-0.40	-0.40	0.00	-0.40	0.00	-0.40	-0.40	0.00	-0.40	17.97	10.31
132	-0.69	3.03	0.18	0.22	0.22	0.22	7.80	8.39	0.69	0.69	0.69	0.69	0.69	1.39	0.69	0.69	0.69	16.52	8.76
133	0.69	4.10	-0.11	0.22	-0.46	-1.17	7.11	7.57	-0.69	-0.69	0.41	0.00	0.00	0.00	0.00	0.00	0.00	17.50	9.90
134	0.00	3.65	0.69	0.22	0.22	0.22	8.50	7.70	0.69	0.00	0.00	0.69	0.00	0.00	0.69	0.69	1.10	17.64	9.21
135	0.00	3.45	0.69	-0.48	-0.48	-0.58	7.29	8.26	0.69	0.69	0.00	0.00	0.00	0.69	0.00	0.00	0.00	17.62	9.21
136	-1.20	2.43	0.00	0.21	-0.19	-0.19	8.09	8.65	-0.22	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.90	15.96	8.04

137	-1.20	3.30	0.00	0.21	-0.19	-0.19	9.01	8.90	1.20	0.12	0.41	1.90	1.43	1.20	1.20	1.20	1.20	16.12	8.01
138	0.00	3.83	0.69	0.22	-0.48	-0.48	8.50	7.45	0.00	0.00	0.69	1.10	0.00	1.10	0.69	0.69	1.10	17.67	9.21
139	-0.69	3.03	0.00	0.22	0.22	0.22	8.50	8.39	1.79	0.69	0.69	1.39	0.69	0.69	0.69	0.69	0.69	16.45	8.70
140	-0.92	3.66	-0.13	0.00	-0.29	0.44	8.72	9.18	0.92	0.92	0.92	1.50	0.92	0.92	2.01	1.61	1.61	16.38	8.16
141	0.53	3.42	-0.06	-0.30	-0.53	-0.30	7.97	6.92	0.57	-0.34	0.17	0.17	0.17	-0.53	0.17	0.57	-0.53	17.50	9.47
142	-0.22	4.00	-0.04	0.09	-0.06	-0.06	9.64	8.29	0.92	0.22	0.22	1.32	0.22	0.22	0.22	0.22	0.22	16.95	8.78
143	-0.51	3.85	0.16	0.30	0.03	0.22	10.11	8.65	0.26	0.51	0.51	1.20	0.51	0.51	0.51	0.51	0.51	16.81	8.70
144	-0.36	3.68	0.13	0.22	-0.12	-0.12	9.55	8.10	0.36	1.05	0.36	0.36	0.25	0.36	1.05	0.36	0.36	16.86	8.78
145	-1.20	3.79	0.18	0.36	0.21	0.99	10.39	8.90	1.20	-0.22	0.24	1.20	1.20	1.90	1.20	1.20	1.20	16.45	8.07
146	-1.05	3.56	0.00	0.13	-0.15	0.21	10.24	9.29	1.05	1.05	1.05	1.05	1.05	1.74	1.84	1.74	1.05	16.38	8.04
147	-0.69	3.20	0.00	0.22	0.22	0.22	9.88	8.88	0.69	0.69	0.69	0.69	1.39	1.39	1.39	1.39	1.39	16.52	8.52
148	0.00	3.77	0.69	0.22	-0.48	-0.48	7.29	7.99	-0.06	0.69	0.00	-0.11	0.69	0.41	0.00	0.69	0.00	17.64	9.21
149	0.00	3.61	0.69	0.22	-0.48	0.00	8.50	8.27	0.69	-0.29	0.69	0.69	-0.05	0.69	-0.22	0.69	-0.11	17.22	9.21
150	-0.69	3.43	0.18	0.22	0.22	0.69	9.19	8.83	0.26	0.69	0.34	1.03	0.69	0.69	0.69	0.69	0.69	16.52	8.52

Sumber: Data Setelah Diolah, 2023

Lampiran 4. Regression

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Ln_X18, LN_X7, LN_X3, LN_X11, LN_X10, LN_X4, LN_X12, LN_X9, LN_X2, LN_X5, LN_X8, LN_X6, LN_X13, LN_X15, LN_X17, LN_X14, LN_X16, LN_X1^b	.	Enter

a. Dependent Variable: LN_Y
b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.929^a	.862	.843	.24842

a. Predictors: (Constant), Ln_X18, LN_X7, LN_X3, LN_X11, LN_X10, LN_X4, LN_X12, LN_X9, LN_X2, LN_X5, LN_X8, LN_X6, LN_X13, LN_X15, LN_X17, LN_X14, LN_X16, LN_X1

a. Dependent Variable: LN_Y

ANOVA[a]						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	50.548	18	2.808	45.505	.000[b]
	Residual	8.084	131	.062		
	Total	58.633	149			

b. Predictors: (Constant), Ln_X18, LN_X7, LN_X3, LN_X11, LN_X10, LN_X4, LN_X12, LN_X9, LN_X2, LN_X5, LN_X8, LN_X6, LN_X13, LN_X15, LN_X17, LN_X14, LN_X16, LN_X1

Coefficients[a]

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	8.515	1.293		6.586	.000
LN_X1	.890	.124	.917	7.171	.000
LN_X2	.072	.070	.049	1.023	.308
LN_X3	-.027	.079	-.016	-.341	.734
LN_X4	.176	.061	.123	2.877	.005
LN_X5	.219	.085	.128	2.588	.011
LN_X6	-.100	.047	-.112	-2.131	.035
LN_X7	-.059	.034	-.075	-1.707	.090
LN_X8	.012	.050	.014	.241	.810
LN_X9	.070	.047	.070	1.487	.139
LN_X10	-.072	.045	-.071	-1.599	.112
LN_X11	.093	.061	.067	1.510	.133
LN_X12	.046	.055	.041	.838	.404
LN_X13	.038	.080	.029	.469	.640
LN_X14	.037	.084	.033	.442	.659
LN_X15	-.001	.060	-.001	-.017	.986
LN_X16	-.231	.081	-.246	-2.842	.005
LN_X17	.116	.078	.129	1.481	.141
Ln_X18	.046	.079	.046	.580	.563

a. Dependent Variable: LN_Y

Histogram

Dependent Variable: LN_Y

Mean = 1.91E-14
Std. Dev. = 0.941
N = 150
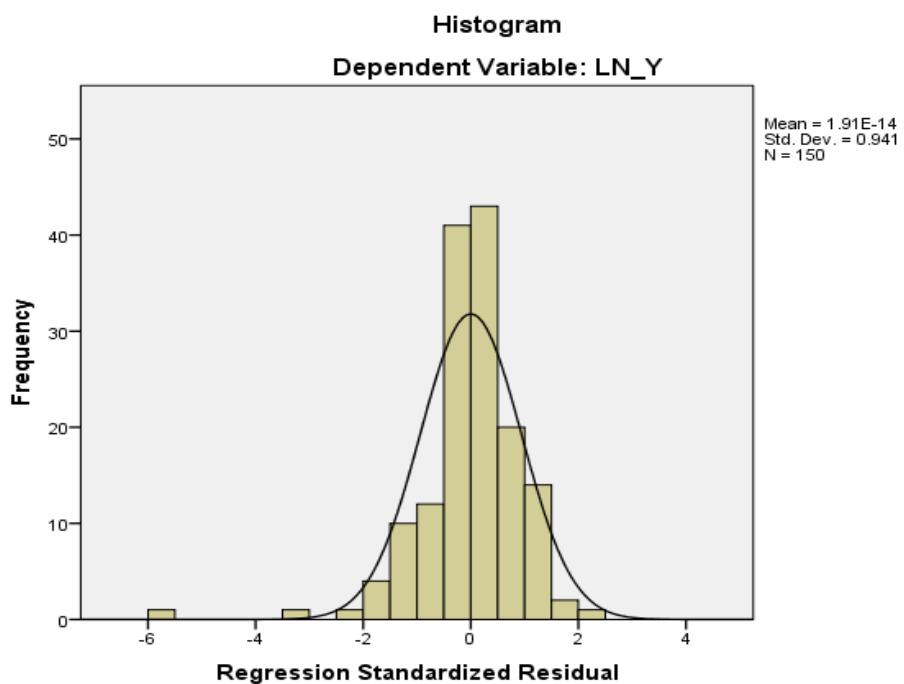
Normal P-P Plot of Regression Standardized Residual

Dependent Variable: LN_Y
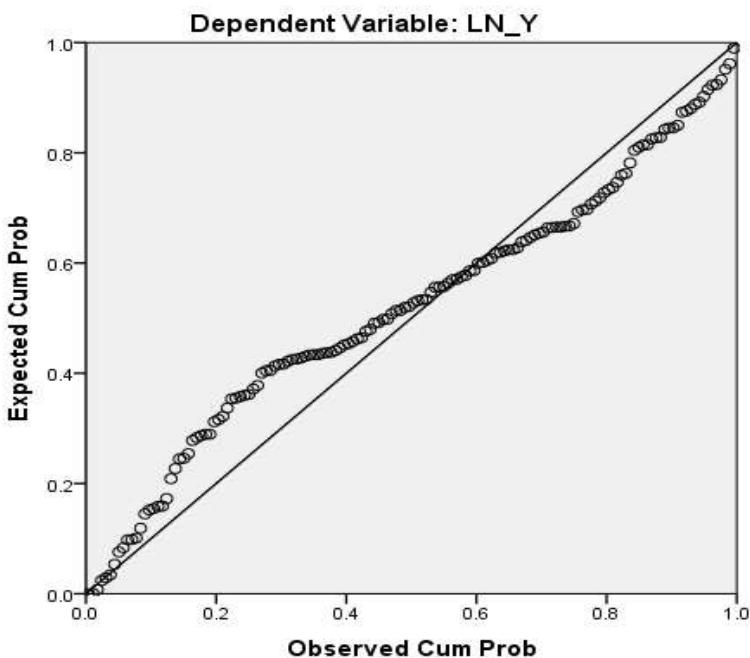
Lampiran 5. Hasil Olahan Data SEM AMOS

Chi-square = 973.959
Probability = .000
CMIN/DF = 2.234
CFI = .809
TLI = .782
RMSEA = .091
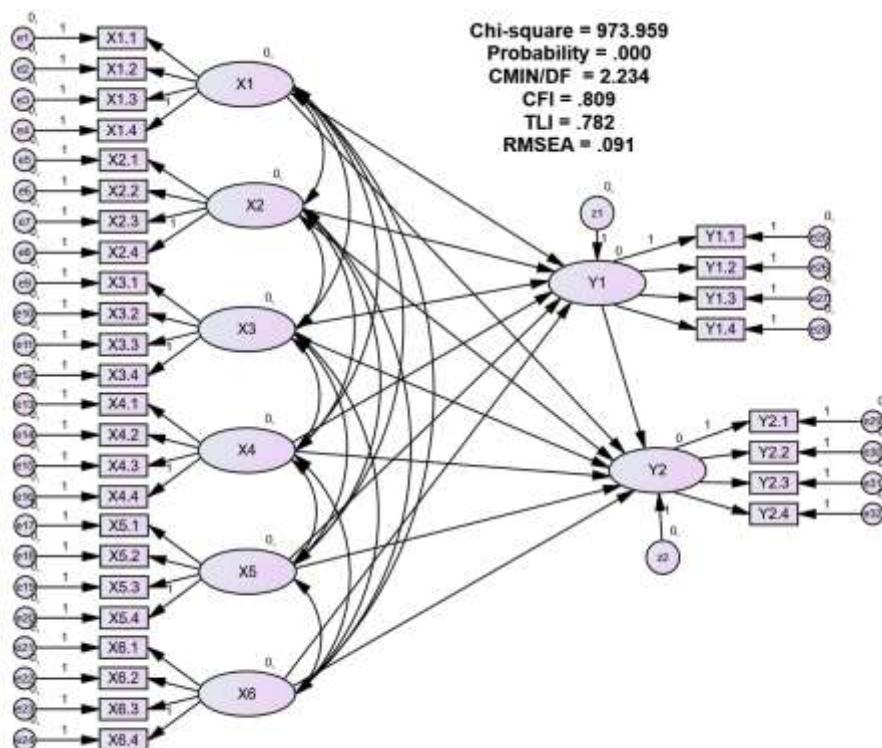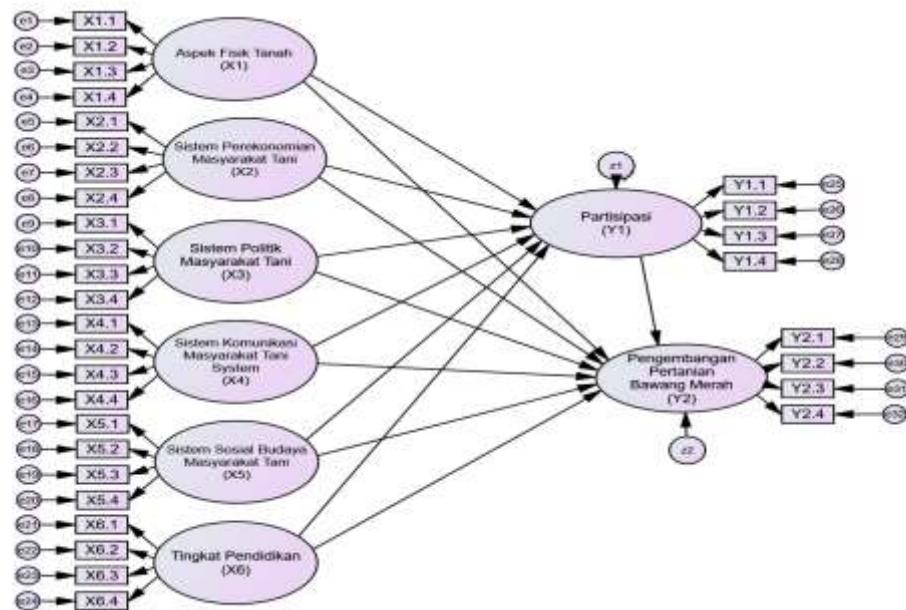
Gambar 1. Unstandardized Estimated

SEM AWAL
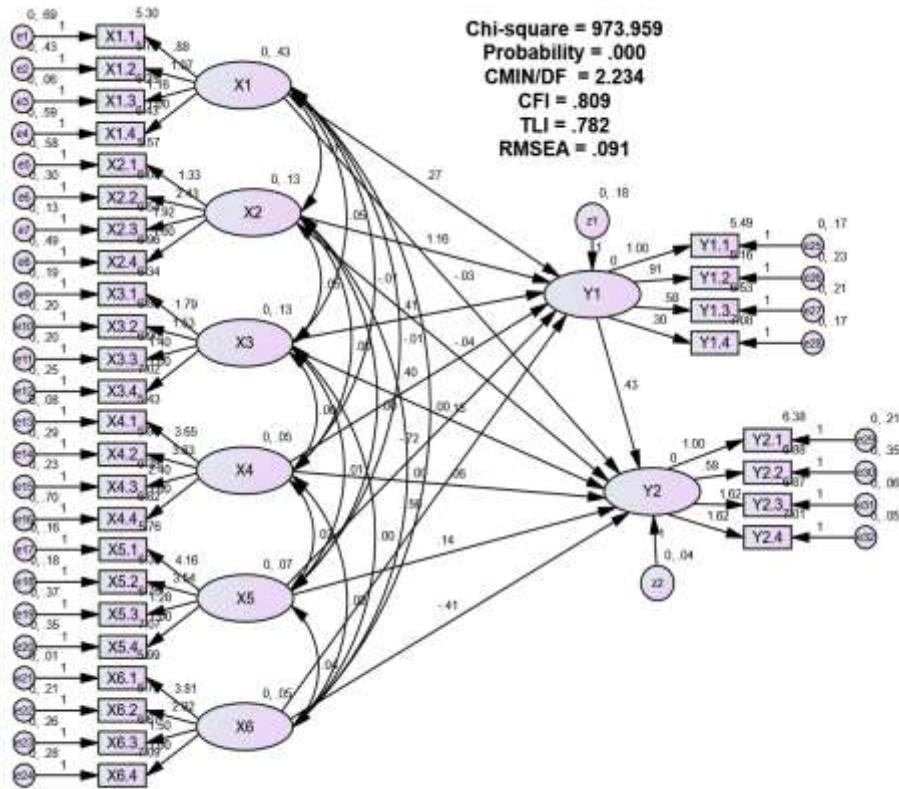
Gambar 2. Standardized Estimated AMOS Awal

Notes for Model (Default model)
Computation of degrees of freedom (Default model)

Number of distinct sample moments:	560
Number of distinct parameters to be estimated:	124
Degrees of freedom (560 - 124):	436

Result (Default model)
Minimum was achieved
Chi-square = 973.959
Degrees of freedom = 436
Probability level = .000

Assessment of normality (Group number 1)

Variable	min	max	skew	c.r.	kurtosis	c.r.
Y2.4	6.000	7.500	-.795	-3.973	-1.237	-3.092
Y2.3	6.000	7.500	-.235	-1.176	-1.761	-4.402
Y2.2	6.000	7.500	-.381	-1.904	-1.520	-3.800
Y2.1	5.000	7.500	.848	4.238	-.012	-.030
Y1.4	6.000	7.500	-1.222	-6.109	.704	1.761
Y1.3	5.500	7.500	.357	1.784	-.861	-2.152
Y1.2	4.500	7.500	-.127	-.635	.191	.478
Y1.1	4.500	7.500	.048	.239	-1.299	-3.247
X6.1	4.500	7.500	-.336	-1.678	-.459	-1.147
X6.2	4.500	7.500	-.828	-4.142	.204	.510
X6.3	5.500	7.500	.215	1.075	-1.108	-2.770
X6.4	6.000	7.500	-1.111	-5.557	-.379	-.947
X5.1	3.000	7.500	-.398	-1.990	-.430	-1.075
X5.2	4.500	7.500	-.449	-2.247	-.795	-1.987
X5.3	5.000	7.500	-.395	-1.973	-.686	-1.716
X5.4	4.000	7.500	-2.097	-10.486	4.954	12.385
X4.1	4.500	7.500	.215	1.076	-1.310	-3.275
X4.2	4.500	7.500	-.136	-.682	-1.065	-2.664
X4.3	4.500	7.500	.293	1.463	-.634	-1.586
X4.4	4.500	7.500	-1.040	-5.198	-.050	-.126
X3.1	3.000	7.500	-.713	-3.566	2.025	5.063
X3.2	4.500	7.500	-.999	-4.994	.668	1.670
X3.3	5.500	7.500	-.428	-2.139	-1.507	-3.767
X3.4	5.500	7.500	-.838	-4.192	-.946	-2.366
X2.1	4.500	7.500	.248	1.239	-.632	-1.580
X2.2	4.500	7.500	-.161	-.804	-1.018	-2.544
X2.3	4.500	7.500	.029	.143	-1.199	-2.999
X2.4	5.000	7.500	-1.055	-5.275	-.266	-.664
X1.1	3.500	7.500	.553	2.765	-.499	-1.246
X1.2	3.500	7.500	.307	1.535	-.616	-1.541
X1.3	4.500	7.500	.191	.954	-.199	-.497
X1.4	3.500	7.500	-.362	-1.809	-.893	-2.233
Multivariate					22.764	2.988

**Observations farthest from the centroid (Mahalanobis distance)
(Group number 1)**

Observation number	Mahalanobis d-squared	p1	p2
62	68.833	.000	.025
64	64.808	.001	.003
3	58.915	.003	.007
103	55.967	.005	.010
24	53.549	.010	.017
7	53.288	.010	.005
128	48.755	.029	.152
87	47.055	.042	.294
84	45.876	.053	.407
61	45.342	.059	.398
65	44.583	.069	.458
16	43.647	.082	.582
50	43.132	.090	.606
57	42.163	.108	.754
88	41.571	.120	.807
100	41.502	.121	.744
81	40.707	.139	.849
101	40.288	.149	.870
14	39.741	.163	.911
147	39.256	.177	.937
19	39.083	.182	.927
23	38.988	.184	.905
63	38.675	.194	.915
107	38.417	.202	.918
49	38.024	.214	.938
112	37.940	.217	.921
18	37.646	.227	.931
48	37.291	.239	.947
9	37.065	.247	.950
20	37.059	.247	.926
104	36.913	.252	.918
77	36.780	.257	.908
43	36.742	.258	.880
79	36.615	.263	.867
83	36.609	.263	.823
110	36.581	.264	.777
66	36.380	.272	.783
17	36.350	.273	.735
115	36.111	.282	.755
145	35.914	.290	.763
25	35.721	.298	.769

Observation number	Mahalanobis d-squared	p1	p2
111	35.418	.310	.811
129	34.766	.338	.921
34	34.719	.340	.901
98	34.702	.340	.871
46	34.667	.342	.840
71	34.497	.349	.844
120	34.336	.356	.845
67	34.239	.361	.830
41	34.120	.366	.820
124	34.050	.369	.795
54	33.998	.372	.762
42	33.783	.381	.784
37	33.778	.382	.734
28	33.754	.383	.685
125	33.581	.391	.696
58	33.173	.410	.795
90	33.158	.411	.750
8	32.994	.418	.758
123	32.580	.438	.848
13	32.490	.443	.834
36	32.383	.448	.824
86	32.177	.458	.845
149	32.142	.460	.814
94	32.094	.462	.784
138	32.080	.463	.739
118	32.002	.467	.716
93	31.805	.476	.741
143	31.789	.477	.693
148	31.605	.486	.714
1	31.567	.488	.674
4	31.525	.490	.632
78	31.484	.493	.589
47	31.416	.496	.558
35	31.384	.498	.509
32	31.307	.501	.482
119	31.195	.507	.472
106	31.080	.513	.464
6	30.990	.518	.444
30	30.891	.523	.428
92	30.673	.534	.471
2	30.602	.537	.442
5	30.565	.539	.396
60	30.540	.540	.346

Observation number	Mahalanobis d-squared	p1	p2
130	30.238	.556	.428
27	30.218	.557	.375
142	30.128	.562	.356
51	30.030	.567	.340
11	29.824	.577	.376
45	29.822	.577	.316
109	29.459	.596	.427
26	29.298	.604	.443
59	29.272	.605	.390
133	29.067	.616	.427
22	29.024	.618	.383
12	28.816	.628	.420
131	28.640	.637	.443
150	28.221	.658	.589
31	27.994	.670	.636
39	27.484	.695	.798

Regression Weights: (Group number 1 - Default model)

			Estimate	S.E.	C.R.	P	Label
Y1	<---	X1	.271	.093	2.903	.004	par_25
Y1	<---	X2	1.161	.261	4.439	***	par_26
Y1	<---	X3	.409	.158	2.585	.010	par_27
Y1	<---	X4	.396	.270	1.469	.142	par_28
Y1	<---	X5	-.723	.313	-2.307	.021	par_29
Y1	<---	X6	.562	.302	1.861	.063	par_35
Y2	<---	X1	-.026	.045	-.566	.572	par_30
Y2	<---	X2	-.036	.125	-.288	.774	par_31
Y2	<---	X3	.154	.083	1.843	.065	par_32
Y2	<---	X4	.060	.123	.487	.626	par_33
Y2	<---	X5	.144	.152	.952	.341	par_34
Y2	<---	X6	-.406	.169	-2.397	.017	par_36
Y2	<---	Y1	.426	.090	4.716	***	par_37
X1.4	<---	X1	1.000				
X1.3	<---	X1	1.163	.129	9.021	***	par_1
X1.2	<---	X1	1.068	.139	7.657	***	par_2
X1.1	<---	X1	.877	.142	6.189	***	par_3
X2.4	<---	X2	1.000				
X2.3	<---	X2	1.920	.342	5.608	***	par_4
X2.2	<---	X2	2.425	.471	5.152	***	par_5
X2.1	<---	X2	1.330	.321	4.141	***	par_6
X3.4	<---	X3	1.000				
X3.3	<---	X3	1.395	.206	6.783	***	par_7
X3.2	<---	X3	1.533	.240	6.400	***	par_8
X3.1	<---	X3	1.794	.263	6.817	***	par_9

			Estimate	S.E.	C.R.	P	Label
X4.4	<---	X4	1.000				
X4.3	<---	X4	2.401	.750	3.201	.001	par_10
X4.2	<---	X4	3.833	1.188	3.225	.001	par_11
X4.1	<---	X4	3.648	1.137	3.209	.001	par_12
X5.4	<---	X5	1.000				
X5.3	<---	X5	1.277	.319	4.000	***	par_13
X5.2	<---	X5	3.540	.717	4.936	***	par_14
X5.1	<---	X5	4.162	.840	4.953	***	par_15
X6.4	<---	X6	1.000				
X6.3	<---	X6	1.501	.344	4.363	***	par_16
X6.2	<---	X6	2.922	.593	4.924	***	par_17
X6.1	<---	X6	3.808	.767	4.965	***	par_18
Y1.1	<---	Y1	1.000				
Y1.2	<---	Y1	.909	.074	12.213	***	par_19
Y1.3	<---	Y1	.578	.064	8.997	***	par_20
Y1.4	<---	Y1	.302	.052	5.813	***	par_21
Y2.1	<---	Y2	1.000				
Y2.2	<---	Y2	.580	.141	4.120	***	par_22
Y2.3	<---	Y2	1.623	.178	9.097	***	par_23
Y2.4	<---	Y2	1.621	.179	9.045	***	par_24

Standardized Regression Weights: (Group number 1 - Default model)

			Estimate
Y1	<---	X1	.241
Y1	<---	X2	.562
Y1	<---	X3	.201
Y1	<---	X4	.125
Y1	<---	X5	-.252
Y1	<---	X6	.174
Y2	<---	X1	-.044
Y2	<---	X2	-.033
Y2	<---	X3	.145
Y2	<---	X4	.036
Y2	<---	X5	.097
Y2	<---	X6	-.241
Y2	<---	Y1	.818
X1.4	<---	X1	.650
X1.3	<---	X1	.951
X1.2	<---	X1	.729
X1.1	<---	X1	.568
X2.4	<---	X2	.454
X2.3	<---	X2	.886

		Estimate
X2.2 <---	X2	.846
X2.1 <---	X2	.529
X3.4 <---	X3	.583
X3.3 <---	X3	.747
X3.2 <---	X3	.780
X3.1 <---	X3	.832
X4.4 <---	X4	.269
X4.3 <---	X4	.761
X4.2 <---	X4	.855
X4.1 <---	X4	.952
X5.4 <---	X5	.396
X5.3 <---	X5	.474
X5.2 <---	X5	.906
X5.1 <---	X5	.936
X6.4 <---	X6	.392
X6.3 <---	X6	.559
X6.2 <---	X6	.821
X6.1 <---	X6	.990
Y1.1 <---	Y1	.871
Y1.2 <---	Y1	.813
Y1.3 <---	Y1	.676
Y1.4 <---	Y1	.470
Y2.1 <---	Y2	.643
Y2.2 <---	Y2	.354
Y2.3 <---	Y2	.930
Y2.4 <---	Y2	.941

Intercepts: (Group number 1 - Default model)

	Estimate	S.E.	C.R.	P	Label
X1.4	6.427	.083	77.880	***	par_53
X1.3	6.250	.065	95.426	***	par_54
X1.2	5.727	.079	72.933	***	par_55
X1.1	5.297	.083	64.007	***	par_56
X2.4	6.957	.064	108.154	***	par_57
X2.3	6.543	.063	103.420	***	par_58
X2.2	6.030	.084	72.034	***	par_59
X2.1	5.570	.073	75.853	***	par_60
X3.4	7.017	.051	138.086	***	par_61
X3.3	6.900	.055	124.636	***	par_62
X3.2	6.893	.058	118.373	***	par_63
X3.1	6.337	.064	99.172	***	par_64
X4.4	6.823	.071	96.145	***	par_65
X4.3	6.380	.060	106.083	***	par_66

	Estimate	S.E.	C.R.	P	Label
X4.2	5.977	.085	69.949	***	par_67
X4.1	5.433	.073	74.357	***	par_68
X5.4	7.070	.053	133.148	***	par_69
X5.3	6.763	.057	119.286	***	par_70
X5.2	6.383	.082	77.607	***	par_71
X5.1	5.763	.094	61.568	***	par_72
X6.4	7.087	.047	149.273	***	par_73
X6.3	6.673	.050	133.326	***	par_74
X6.2	6.723	.066	101.395	***	par_75
X6.1	5.990	.072	83.602	***	par_76
Y1.1	5.490	.069	79.258	***	par_77
Y1.2	6.163	.067	91.346	***	par_78
Y1.3	6.533	.052	126.801	***	par_79
Y1.4	7.080	.039	182.764	***	par_80
Y2.1	6.380	.049	130.597	***	par_81
Y2.2	6.883	.051	133.735	***	par_82
Y2.3	6.870	.055	125.274	***	par_83
Y2.4	7.013	.054	129.578	***	par_84

Covariances: (Group number 1 - Default Model)

			Estimate	S.E.	C.R.	P	Label
X1	<-->	X2	.111	.033	3.411	***	par_38
X1	<-->	X3	.054	.024	2.238	.025	par_39
X1	<-->	X4	-.010	.014	-.712	.476	par_40
X1	<-->	X5	-.006	.015	-.384	.701	par_41
X6	<-->	X1	.002	.013	.169	.866	par_42
X2	<-->	X3	.046	.016	2.825	.005	par_43
X2	<-->	X4	-.002	.008	-.247	.805	par_44
X2	<-->	X5	.000	.008	-.005	.996	par_45
X6	<-->	X2	.001	.007	.142	.887	par_46
X3	<-->	X4	-.003	.008	-.433	.665	par_47
X3	<-->	X5	.008	.009	.852	.394	par_48
X6	<-->	X3	.003	.007	.404	.686	par_49
X4	<-->	X5	.031	.013	2.429	.015	par_50
X6	<-->	X4	.023	.010	2.356	.018	par_51
X6	<-->	X5	.039	.013	3.084	.002	par_52

Correlations: (Group number 1 - Default Model)

	Estimate
X1 <--> X2	.478
X1 <--> X3	.227
X1 <--> X4	-.065
X1 <--> X5	-.034
X6 <--> X1	.015
X2 <--> X3	.354
X2 <--> X4	-.023
X2 <--> X5	.000
X6 <--> X2	.013
X3 <--> X4	-.041
X3 <--> X5	.082
X6 <--> X3	.037
X4 <--> X5	.517
X6 <--> X4	.433
X6 <--> X5	.667

Variances: (Group number 1 - Default Model)

	Estimate	S.E.	C.R.	P	Label
X1	.428	.099	4.308	***	par_85
X2	.127	.047	2.693	.007	par_86
X3	.131	.037	3.559	***	par_87
X4	.054	.034	1.601	.109	par_88
X5	.066	.027	2.429	.015	par_89
X6	.052	.021	2.443	.015	par_90
z1	.176	.039	4.487	***	par_91
z2	.043	.011	3.757	***	par_92
e4	.587	.073	8.065	***	par_93
e3	.061	.036	1.666	.096	par_94
e2	.431	.059	7.336	***	par_95
e1	.691	.085	8.084	***	par_96
e8	.489	.060	8.211	***	par_97
e7	.128	.033	3.930	***	par_98
e6	.297	.059	5.061	***	par_99
e5	.579	.074	7.844	***	par_100
e12	.254	.033	7.677	***	par_101
e11	.202	.032	6.294	***	par_102
e10	.198	.032	6.156	***	par_103
e9	.187	.038	4.970	***	par_104
e16	.696	.081	8.571	***	par_105
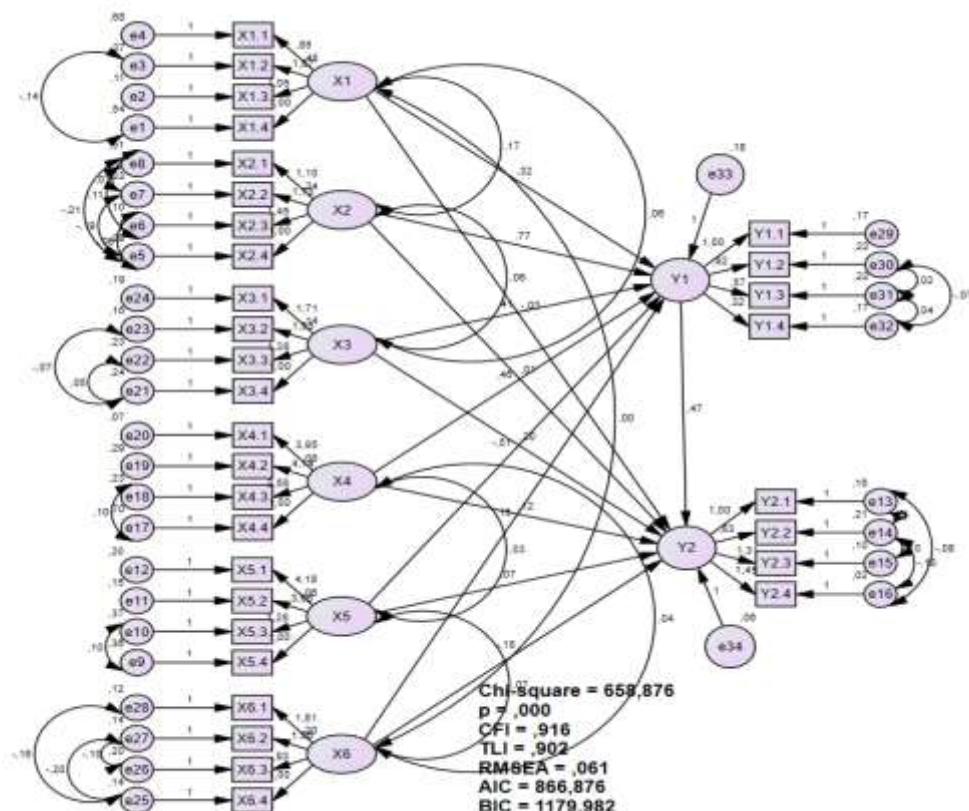
	Estimate	S.E.	C.R.	P	Label
e15	.227	.031	7.333	***	par_106
e14	.292	.047	6.244	***	par_107
e13	.075	.032	2.328	.020	par_108
e20	.354	.042	8.500	***	par_109
e19	.371	.044	8.434	***	par_110
e18	.181	.040	4.570	***	par_111
e17	.162	.050	3.219	.001	par_112
e24	.284	.033	8.560	***	par_113
e23	.257	.030	8.525	***	par_114
e22	.213	.029	7.388	***	par_115
e21	.015	.033	.443	.658	par_116
e25	.173	.031	5.494	***	par_117
e26	.230	.035	6.648	***	par_118
e27	.215	.028	7.738	***	par_119
e28	.174	.021	8.339	***	par_120
e29	.208	.026	7.989	***	par_121
e30	.345	.041	8.496	***	par_122
e31	.061	.012	5.053	***	par_123
e32	.050	.012	4.263	***	par_124

Squared Multiple Correlations: (Group number 1 - Default Model)

	Estimate
Y1	.675
Y2	.706
Y2.4	.886
Y2.3	.865
Y2.2	.125
Y2.1	.414
Y1.4	.221
Y1.3	.457
Y1.2	.660
Y1.1	.758
X6.1	.981
X6.2	.674
X6.3	.312
X6.4	.154
X5.1	.876
X5.2	.820
X5.3	.225
X5.4	.157
X4.1	.906
X4.2	.731
X4.3	.579
X4.4	.072

	Estimate
X3.1	.692
X3.2	.608
X3.3	.558
X3.4	.340
X2.1	.280
X2.2	.715
X2.3	.785
X2.4	.206
X1.1	.323
X1.2	.531
X1.3	.905
X1.4	.422

Model SEM Kedua

Chi-square = 658,876
p = ,000
CFI = ,916
TLI = ,902
RMSEA = ,061
AIC = 866,876
BIC = 1179,982

Regression Weights: (Group number 1 - Default model)

			Estimate	S.E.	C.R.	P	Label
Y1	<---	X1	,323	,088	3,677	***	par_25
Y1	<---	X2	,771	,196	3,933	***	par_26
Y1	<---	X3	,413	,144	2,866	,004	par_27
Y1	<---	X4	,455	,293	1,552	,121	par_28
Y1	<---	X5	-,509	,271	-1,880	,060	par_29
Y1	<---	X6	,151	,119	1,270	,204	par_30
Y2	<---	X1	-,032	,045	-,716	,474	par_31
Y2	<---	X2	,010	,073	,131	,896	par_32
Y2	<---	X3	,200	,077	2,617	,009	par_33
Y2	<---	X4	,120	,133	,903	,366	par_34
Y2	<---	X5	,066	,128	,514	,607	par_35
Y2	<---	X6	-,180	,066	-2,742	,006	par_36
Y2	<---	Y1	,466	,078	5,941	***	par_53
X1.4	<---	X1	1,000				
X1.3	<---	X1	1,049	,121	8,639	***	par_1
X1.2	<---	X1	1,072	,146	7,355	***	par_2
X1.1	<---	X1	,845	,132	6,381	***	par_3
X2.4	<---	X2	1,000				
X2.3	<---	X2	1,447	,246	5,879	***	par_4
X2.2	<---	X2	1,726	,347	4,967	***	par_5
X2.1	<---	X2	1,102	,286	3,856	***	par_6
X5.4	<---	X5	1,000				
X5.3	<---	X5	1,284	,281	4,568	***	par_7
X5.2	<---	X5	3,664	,755	4,852	***	par_8
X5.1	<---	X5	4,176	,861	4,852	***	par_9
Y2.1	<---	Y2	1,000				
Y2.2	<---	Y2	,826	,105	7,899	***	par_10
Y2.3	<---	Y2	1,310	,126	10,430	***	par_11
Y2.4	<---	Y2	1,447	,149	9,738	***	par_12
X4.4	<---	X4	1,000				
X4.3	<---	X4	2,581	,829	3,111	,002	par_13
X4.2	<---	X4	4,136	1,386	2,984	,003	par_14
X4.1	<---	X4	3,954	1,319	2,997	,003	par_15
X3.4	<---	X3	1,000				
X3.3	<---	X3	1,276	,177	7,190	***	par_16
X3.2	<---	X3	1,554	,255	6,100	***	par_17

			Estimate	S.E.	C.R.	P	Label
X3.1	<---	X3	1,710	,266	6,427	***	par_18
X6.4	<---	X6	1,000				
X6.3	<---	X6	,930	,143	6,515	***	par_19
X6.2	<---	X6	1,557	,226	6,902	***	par_20
X6.1	<---	X6	1,811	,242	7,478	***	par_21
Y1.1	<---	Y1	1,000				
Y1.2	<---	Y1	,917	,074	12,421	***	par_22
Y1.3	<---	Y1	,566	,063	8,966	***	par_23
Y1.4	<---	Y1	,323	,051	6,327	***	par_24

Squared Multiple Correlations: (Group number 1 - Default model)

	Estimate
Y1	,663
Y2	,706
Y1.4	,255
Y1.3	,441
Y1.2	,674
Y1.1	,759
X6.1	,850
X6.2	,772
X6.3	,459
X6.4	,590
X3.1	,681
X3.2	,677
X3.3	,505
X3.4	,369
X4.1	,911
X4.2	,729
X4.3	,573
X4.4	,062
Y2.4	,962
Y2.3	,770
Y2.2	,396
Y2.1	,567
X5.1	,850
X5.2	,847
X5.3	,219
X5.4	,151
X2.1	,360
X2.2	,680

	Estimate
X2.3	,837
X2.4	,387
X1.1	,334
X1.2	,597
X1.3	,820
X1.4	,470

Model	NFI Delta1	RFI rho1	IFI Delta2	TLI rho2	CFI
Default model	,801	,767	,919	,902	,916
Saturated model	1,000		1,000		1,000
Independence model	,000	,000	,000	,000	,000

Model	RMSEA	LO 90	HI 90	PCLOSE
Default model	,061	,052	,070	,026
Independence model	,195	,189	,201	,000

Lampiran 6. Surat Izin Penelitian

PEMERINTAH PROVINSI SULAWESI SELATAN
DINAS PENANAMAN MODAL DAN PELAYANAN TERPADU SATU PINTU
Jl.Bougenville No.5 Telp. (0411) 441077 Fax. (0411) 448936
Website : http://simap-new.sulselprov.go.id Email : ptsp@sulselprov.go.id
Makassar 90231

Nomor	: 12534/S.01/PTSP/2022	Kepada Yth.
Lampiran	: -	Bupati Bantaeng
Perihal	: **Izin penelitian**	

di-
Tempat

Berdasarkan surat Direktur PPs UNHAS Makassar Nomor : 6531/UN4.20.1/PT.01.04/2022 tanggal 14 November 2022 perihal tersebut diatas, mahasiswa/peneliti dibawah ini:

N a m a	:	ANDI AMRAN ASRIADI
Nomor Pokok	:	P013201008
Program Studi	:	Ilmu Pertanian
Pekerjaan/Lembaga	:	Mahasiswa (S3)
Alamat	:	Jl. P. Kemerdekaan Km. 10 Makassar

Bermaksud untuk melakukan penelitian di daerah/kantor saudara dalam rangka menyusun Disertasi, dengan judul :

" KAJIAN PENGEMBANGAN KOMODITI BAWANG MERAH DI KECAMATAN ULUERE KABUPATEN BANTAENG "

Yang akan dilaksanakan dari : Tgl. *29 November 2022 s/d 31 Januari 2023*

Sehubungan dengan hal tersebut diatas, pada prinsipnya kami *menyetujui* kegiatan dimaksud dengan ketentuan yang tertera di belakang surat izin penelitian.

Demikian Surat Keterangan ini diberikan agar dipergunakan sebagaimana mestinya.

Diterbitkan di Makassar
Pada Tanggal 25 November 2022

A.n. GUBERNUR SULAWESI SELATAN
KEPALA DINAS PENANAMAN MODAL DAN PELAYANAN TERPADU
SATU PINTU PROVINSI SULAWESI SELATAN

Ir. H. SULKAF S LATIEF, M.M.
Pangkat : PEMBINA UTAMA MADYA
Nip : 19630424 198903 1 010

Tembusan Yth
1. Direktur PPs UNHAS Makassar di Makassar;
2. Pertinggal.

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Lampiran 7. Surat Izin Penelitian PTSP

PEMERINTAH KABUPATEN BANTAENG
DINAS PENANAMAN MODAL DAN PTSP
Alamat : Jl. Kartini No. 2, Kab. Bantaeng, email : dpmptsp.bantaengkab@gmail.com, website : dpmptsp.bantaengkab.go.id

IZIN PENELITIAN
NOMOR : 503/356/IPL/DPM-PTSP/XII/2022

DASAR HUKUM :

1. Undang-Undang Nomor 18 Tahun 2002 tentang Sistem Nasional Penelitian, Pengembangan dan Penerapan IPTEK;
2. Peraturan Menteri Dalam Negeri Nomor 64 Tahun 2011 tentang Pedoman Penerbitan Rekomendasi Penelitian, sebagaimana telah diubah dengan Peraturan Mendagri Nomor 7 Tahun 2014;
3. Peraturan Menteri Dalam Negeri Nomor 3 Tahun 2018 tentang Penerbitan Surat Keterangan Penelitian;
4. Peraturan Bupati Bantaeng Nomor 57 Tahun 2017 tentang Perubahan Atas Peraturan Bupati Bantaeng Nomor 85 Tahun 2016 tentang Pendelegasian Kewenangan Pelayanan Administrasi Perizinan dan Non Perizinan.

MEMBERIKAN IZIN KEPADA

Nama	:	ANDI AMRAN ASRIADI
Jenis Kelamin	:	Laki-Laki
N I M	:	P013201008
No. KTP	:	7306081903830004
Program Studi	:	Ilmu Pertanian
Pekerjaan	:	Mahasiswa S3 Universitas Hasanuddin Makassar
Alamat	:	Ujung Pandang Kec. Somba Opu Kabupaten Gowa

Bermaksud mengadakan penelitian dalam rangka penulisan Desertasi dengan Judul :
" Kajian Pengembangan Komoditi Bawang Merah di Kecamatan Uluere Kabupaten Bantaeng "

Lokasi Penelitian	:	Kecamatan Uluere
Lama Penelitian	:	29 November 2022 s.d. 31 Januari 2023

Sehubungan dengan hal tersebut diatas pada prinsipnya kami dapat *menyetujui* kegiatan dimaksud dengan ketentuan :

1. Sebelum dan sesudahnya melaksanakan kegiatan, yang bersangkutan harus melapor kepada Pemerintah setempat;
2. Penelitian tidak menyimpang dari Izin yang diberikan;
3. Mentaati semua peraturan Perundang-undangan yang berlaku dan mengindahkan adat- istiadat Daerah setempat;
4. Menyerahkan 1 (satu) examplar copy hasil Penelitian kepada Bupati Bantaeng Cq. Kepala Badan Kesatuan Bangsa, Politik dan Perlindungan Masyarakat Kab. Bantaeng;
5. Surat Izin akan dicabut kembali dan dinyatakan tidak berlaku apabila ternyata pemegang Surat Izin tidak mentaati ketentuan-ketentuan tersebut di atas.

Demikian surat keterangan ini diberikan untuk dipergunakan sebagaimana mestinya.

Diterbitkan di Kabupaten Bantaeng
Pada tanggal : 06 Desember 2022
a.n. **BUPATI BANTAENG**

Dinas Penanaman Modal dan PTSP

YOHANIS PHR ROMUTI, S.IP
Pangkat : Pembina TK.I, IV/b

Lampiran 8. Documentasi Kegiatan Penelitian

BIODATA PENULIS

Andi Amran Asriadi. Lahir di Ujung Pandang, 19 Maret 1983. Dia Anak Dari Ayah Prof. Dr. H. Muhammad Basri. D., M.Hum. dan Ibu Prof. Dr. Hj. Andi Tenri Ampa, M.Hum. Dia Anak 1 (Pertama) Dari 4 (Empat) Bersaudara. Tamat 2008 di Universitas Muhammadiyah Makassar (Unismuh) Jurusan Sosial Ekonomi Pertanian Memperoleh Gelar Sarjana Pertanian (S.P). Tamat 2012 di Kampus Pascasarjana Universitas Negeri Makassar Magister Fakultas Ekonomi Tamat Tahun 2012 Memperoleh Gelar Magister Pendidikan (M.Pd).

Tamat 2015 di Kampus Pascasarjana Universitas Muslim Indonesia (UMI) Program Studi Agroekoteknologi Konsentrasi Agribisnis Pertanian Tamat Tahun 2015 Memperoleh Gelar Magister Pertanian (M.P).

Penulis mengabdikan diri sebagai Dosen Yayasan Perguruan Islam Maros (Yapim) Kabupaten Maros, Berpindah tugas kerja pada kampus Universitas Muhammadiyah Makassar di Jurusan Agribisnis Fakultas Pertanian. Mengampu Mata Kuliah Dasar-Dasar Manajemen, Pengantar Agribisnis, Manajemen Produksi, Manajemen Pemasaran, Program dan Evaluasi Penyuluhan Pertanian, Media Penyuluhan Pertanian, Ekonomi Manajerial, Koperasi Dan Kemitraan Agribisnis, Dll. Melaksanakan Tri Perguruan Tinggi Penelitian Serta Pengabdian Kepada Masyarakat yaitu Pemanfaatan Pupuk Organik Pada Tanaman Pangan, Pengembangan Kewirausahaan Kepada Masyarakat, Pengurus, Remaja Dan Santri Masjid Babussalam. Semoga Penulisan Disertasi di Sekolah Pascasarjana Universitas Hasanuddin Makassar Bermanfaat Dalam Pengembangan Ilmu Dan Pengetahuan.