

Lampiran – 1.a : Data Operasional Rumah Pompa Silempeng

NO	TANGGAL	NO. MESIN		JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9
1	10/01/2020	1	1	22:00:00	05:00:00	185	183	479.00
2		1	1	15:00:00	21:00:00	184	180	192.00
3		1	1	22:00:00	05:00:00	180	175	863.00
4	11/01/2020	1	1	20:00:00	22:00:00	171	169	363.00
5		1	1	06:00:00	09:00:00	130	114	89.00
6		1	1	22:00:00	05:00:00	169	164	334.00
7	12/01/2020	1	1	06:00:00	14:00:00	162	156	361.00
8		1	1	08:45:00	12:45:00	165	161	144.00
9	13/01/2020	1	1	01:00:00	05:00:00	162	159	160.00
10		1	1	08:00:00	14:00:00	167	159	513.00
11		1	1	19:00:00	21:00:00	165	164	302.00
12		1	1	22:00:00	05:00:00	165	161	806.00
13	14/01/2020	1	1	06:00:00	14:00:00	162	159	624.00
14	15/01/2020	1	1	06:00:00	08:00:00	171	169	220.00
15		1	1	18:00:00	21:00:00	172	169	419.00
16		1	1	22:00:00	05:00:00	170	164	520.00
17	16/01/2020	1	1	06:00:00	14:00:00	165	156	601.00
18		1	1	22:00:00	05:00:00	165	154	527.00
19	17/01/2020	1	1	06:00:00	11:00:00	155	149	373.00
20		1	1	14:00:00	18:00:00	154	147	300.00
21		1	1	20:00:00	05:00:00	148	138	580.00
22	18/01/2020	1	1	07:00:00	11:00:00	141	131	305.00
23		1	1	22:00:00	05:00:00	145	132	515.00
24	19/01/2020	1	1	09:00:00	12:00:00	140	127	65.00
25	20/01/2020	1	1	20:00:00	05:00:00	137	118	515.00
26	21/01/2020	1	1	09:45:00	12:45:00	145	130	117.00
27		1	1	18:00:00	22:00:00	139	126	305.00
28	22/01/2020	1	1	23:00:00	05:00:00	129	119	118.00
29	23/01/2020	1	1	17:30:00	21:30:00	145	135	308.00
30	24/01/2020	1	1	20:30:00	22:00:00	144	135	133.00
31		1	1	22:00:00	01:30:00	135	119	404.00
32	25/01/2020	1	1	13:30:00	16:00:00	143	127	195.00
33		1	1	18:00:00	21:00:00	137	134	165.00
34		1	1	22:00:00	05:00:00	135	130	355.00
35	26/01/2020	1	1	06:00:00	12:00:00	136	130	480.00
36		1	1	14:00:00	18:00:00	141	138	242.00
37		1	1	18:00:00	21:00:00	141	139	182.00
38		1	1	22:00:00	05:00:00	145	139	322.00
39	27/01/2020	1	1	06:00:00	12:00:00	145	139	404.00
40	28/01/2020	1	1	11:30:00	16:00:00	151	147	300.00
41		1	1	19:00:00	21:00:00	149	146	101.00
42		1	1	22:00:00	05:00:00	146	129	449.00
43	29/01/2020	1	1	09:00:00	13:00:00	136	122	300.00
44	30/01/2020	1	1	06:00:00	09:00:00	125	115	148.00
45	02/02/2020	1	1	23:15:00	04:15:00	125	112	252.00
46		1	1	22:00:00	02:00:00	131	115	190.00
47	03/02/2020	1	1	16:30:00	19:30:00	133	114	390.00
48	04/02/2020	1	1	16:00:00	20:00:00	133	123	294.00
49	05/02/2020	1	1	00:00:00	05:00:00	132	122	322.00
50	06/02/2020	1	1	06:00:00	11:00:00	144	130	363.00
51		1	1	14:00:00	22:00:00	140	120	445.00
52	07/02/2020	1	1	01:00:00	05:00:00	133	120	287.00
53		1	1	06:00:00	09:30:00	129	50	214.00
54		1	1	17:00:00	21:00:00	134	146	167.00

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NO	TANGGAL	NO. MESIN		JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9
55	08/02/2020	1	1	22:00:00	04:00:00	143	153	398.00
56		1	1	07:00:00	10:00:00	153	150	335.00
57		1	1	00:00:00	05:00:00	154	150	329.00
58	10/02/2020	1	1	15:30:00	21:30:00	170	161	505.00
59		1	1	02:00:00	06:00:00	163	159	329.00
60	11/02/2020	1	1	06:00:00	11:00:00	159	158	341.00
61		1	1	15:00:00	21:00:00	160	155	266.00
62		1	1	22:00:00	05:00:00	155	150	214.00
63	12/02/2020	1	1	06:00:00	12:00:00	151	152	219.00
64		1	1	14:00:00	21:00:00	154	144	222.00
65	13/02/2020	1	1	22:00:00	05:00:00	144	125	449.00
66	14/02/2020	1	1	06:30:00	11:30:00	130	120	250.00
67		1	1	22:30:00	01:30:00	129	119	140.00
68	19/02/2020	1	1	19:00:00	05:00:00	129	170	450.00
69	20/02/2020	1	1	06:30:00	13:00:00	175	181	110.00
70		1	1	14:00:00	21:00:00	182	175	450.00
71		1	1	22:00:00	05:00:00	182	190	261.00
72	21/02/2020	1	1	06:00:00	12:00:00	190	186	409.00
73		1	1	14:00:00	21:00:00	186	187	340.00
74		1	1	22:00:00	05:00:00	188	184	260.00
75	22/02/2020	1	1	10:30:00	12:00:00	186	185	155.00
76		1	1	14:00:00	21:00:00	186	183	435.00
77		1	1	22:00:00	05:30:00	183	182	265.00
78	23/02/2020	1	1	06:30:00	11:30:00	182	177	320.00
79		1	1	14:00:00	20:00:00	180	177	480.00
80		1	1	22:00:00	06:00:00	176	209	412.00
81	24/02/2020	1	1	06:00:00	14:00:00	209	222	459.00
82		1	1	14:00:00	22:00:00	226	229	508.00
83	25/02/2020	1	1	06:00:00	14:00:00	229	227	504.00
84		1	1	14:00:00	22:00:00	227	225	517.00
85		1	1	22:00:00	06:00:00	225	220	446.00
86	26/02/2020	1	1	06:00:00	14:30:00	220	218	498.00
87		1	1	15:00:00	21:30:00	210	213	397.00
88		1	1	22:00:00	06:00:00	215	208	480.00
89	27/02/2020	1	1	06:00:00	13:00:00	208	206	379.00
90		1	1	14:00:00	21:00:00	206	205	502.00
91		1	1	22:00:00	05:00:00	205	203	454.00
92	28/02/2020	1	1	06:00:00	11:00:00	203	199	211.00
93		1	1	13:00:00	21:30:00	199	203	477.00
94		1	1	22:00:00	05:00:00	203	202	477.00
95	29/02/2020	1	1	07:00:00	13:00:00	202	200	375.00
96		1	1	14:00:00	21:00:00	198	205	416.00
97		1	1	22:00:00	05:00:00	201	205	449.00
98	01/03/2020	1	1	06:00:00	13:00:00	203	202	426.00
99		1	1	14:00:00	21:00:00	202	203	380.00
100		1	1	22:00:00	05:00:00	206	205	454.00
101	02/03/2020	1	1	06:00:00	07:00:00	206	207	50.00
102		1	1	16:30:00	22:00:00	209	205	354.00
103		1	1	22:00:00	05:00:00	205	205	430.00
104	03/03/2020	1	1	06:30:00	13:00:00	205	202	441.00
105		1	1	14:00:00	21:00:00	200	199	400.00
106		1	1	22:00:00	05:00:00	200	198	410.00
107	04/03/2020	1	1	06:00:00	12:00:00	198	194	305.00
108		1	1	14:00:00	21:00:00	194	193	350.00

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NO	TANGGAL	NO. MESIN		JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9
109		1	1	22:00:00	05:00:00	194	191	499.00
110	05/03/2020	1	1	06:00:00	13:00:00	192	186	424.00
111		1	1	14:00:00	21:00:00	186	184	377.00
112		1	1	22:00:00	05:00:00	185	180	510.00
113	06/03/2020	1	1	06:00:00	10:00:00	180	178	301.00
114		1	1	14:00:00	22:00:00	177	185	549.00
115		1	1	22:00:00	05:00:00	185	183	320.00
116	07/03/2020	1	1	06:00:00	13:00:00	183	181	380.00
117		1	1	14:00:00	21:00:00	182	180	525.00
118		1	1	22:00:00	05:00:00	181	175	525.00
119	08/03/2020	1	1	06:00:00	13:00:00	178	175	425.00
120		1	1	14:00:00	21:00:00	195	172	425.00
121		1	1	22:00:00	05:00:00	172	170	350.00
122	09/03/2020	1	1	06:00:00	13:00:00	170	167	350.00
123		1	1	14:00:00	21:00:00	167	163	500.00
124		1	1	22:00:00	05:00:00	163	159	555.00
125	10/03/2020	1	1	15:00:00	21:00:00	164	155	315.00
126		1	1	22:00:00	05:00:00	154	150	384.00
127	11/03/2020	1	1	06:00:00	14:00:00	150	142	420.00
128		1	1	14:00:00	21:00:00	142	132	501.00
129		1	1	22:00:00	05:00:00	130	127	408.00
130	12/03/2020	1		07:00:00	13:00:00	129	113	257.00
131		1		14:00:00	21:00:00	113	110	241.00
132		1		22:00:00	05:00:00	111	96	219.00
133	13/03/2020	1		06:00:00	11:30:00	111	96	119.00
134		1		18:00:00	22:00:00	96	78	245.00
135		1		22:00:00	01:00:00	100	85	90.00
136	14/03/2020	1		06:00:00	13:00:00	85	68	96.00
137		1		14:00:00	17:30:00	72	56	79.00
138	15/03/2020	1		07:00:00	11:40:00	93	59	170.00
139		1		14:00:00	20:00:00	75	44	120.00
140		1		23:00:00	01:00:00	60	45	30.00
141	16/03/2020	1		07:00:00	11:00:00	65	49	100.00
142		1		22:30:00	01:30:00	69	45	148.00
143	17/03/2020	1		07:00:00	11:00:00	70	45	197.00
144		1		15:00:00	19:00:00	60	55	160.00
145		1		00:30:00	03:00:00	63	46	80.00
146	18/03/2020	1		06:00:00	07:30:00	60	50	48.00
147		1		14:00:00	18:00:00	68	45	87.00
148		1		23:00:00	01:00:00	65	50	20.00
149	19/03/2020	1		06:00:00	09:00:00	68	45	60.00
150		1		14:00:00	16:00:00	62	48	232.00
151		1		22:00:00	01:00:00	65	60	60.00
152	20/03/2020	1		06:00:00	09:00:00	62	46	78.00
153		1	1	17:00:00	19:00:00	57	37	157.00
154	21/03/2020	1	1	02:00:00	04:00:00	70	30	83.00
155		1	1	14:00:00	15:00:00	68	45	20.00
156	22/03/2020	1	1	01:00:00	03:50:00	75	30	311.00
157		1	1	13:11:00	14:11:00	75	60	14.00
158	23/03/2020	1	1	00:30:00	02:30:00	75	35	55.00
159		1	1	12:30:00	14:00:00	60	10	260.00
160		1	1	16:00:00	18:00:00	50	10	152.00
161	24/03/2020	1	1	07:00:00	08:30:00	68	20	76.00
162	25/03/2020	1	1	00:30:00	01:30:00	73	50	74.00

Lampiran – 1.a : Data Operasional Rumah Pompa Silempeng

NO	TANGGAL	NO. MESIN		JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9
163		1	1	10:00:00	11:45:00	65	20	150.00
164	26/03/2020	1	1	06:30:00	07:30:00	65	37	82.00
165		1	1	23:00:00	02:00:00	85	35	220.00
166	27/03/2020	1	1	06:15:00	09:15:00	66	45	140.00
167		1	1	14:30:00	18:00:00	78	37	235.00
168	28/03/2020	1	1	02:00:00	04:00:00	64	50	125.00
169		1	1	07:00:00	08:00:00	75	50	75.00
170		1	1	23:00:00	00:00:00	68	40	104.00
171	29/03/2020	1	1	07:00:00	09:00:00	70	30	88.00
172	30/03/2020	1	1	01:00:00	02:30:00	72	45	133.00
173		1	1	17:00:00	19:00:00	63	30	75.00
174	31/03/2020	1	1	10:00:00	11:30:00	75	37	145.00
175	01/04/2020	1	1	08:00:00	10:30:00	98	69	140.00
176	02/04/2020	1	1	08:00:00	12:00:00	91	55	210.00
177	03/04/2020	1	1	00:30:00	04:30:00	110	79	295.00
178	03/04/2020	1	1	07:30:00	10:30:00	88	46	155.00
179		1	1	23:00:00	03:00:00	103	65	410.00
180	04/04/2020	1	1	10:00:00	13:00:00	85	51	158.00
181		1	1	22:00:00	01:30:00	75	50	216.00
182	05/04/2020	1	1	09:00:00	12:00:00	79	30	128.00
183		1	1	23:30:00	01:30:00	65	37	68.00
184	06/04/2020	1	1	13:00:00	16:30:00	72	30	210.00
185	07/04/2020	1	1	13:00:00	14:00:00	68	40	130.00
186	08/04/2020	1	1	00:30:00	02:00:00	71	38	116.00
187	10/04/2020	1	1	08:00:00	09:00:00	68	50	44.00
188	11/04/2020	1	1	01:00:00	02:00:00	60	39	475.00
189	12/04/2020	1	1	07:00:00	08:00:00	63	45	65.00
190	14/04/2020	1	1	21:30:00	22:30:00	64	41	35.00
191	17/04/2020	1	1	09:00:00	10:00:00	65	45	35.00
192	19/04/2020	1	1	07:40:00	08:40:00	64	39	65.00
193	21/04/2020	1	1	06:45:00	08:30:00	64	40	130.00
194		1	1	15:15:00	18:15:00	75	40	320.00
195	22/04/2020	1	1	02:00:00	04:00:00	72	51	150.00
196		1	1	08:00:00	11:00:00	74	55	139.00
197		1	1	22:00:00	01:00:00	75	48	198.00
198	23/04/2020	1	1	06:00:00	08:00:00	71	47	128.00
199		1	1	20:15:00	00:30:00	75	40	270.00
200	24/04/2020	1	1	06:00:00	10:15:00	88	55	225.00
201		1	1	22:00:00	00:30:00	76	44	180.00
202	25/04/2020	1	1	08:00:00	10:00:00	65	45	261.00
203		1	1	19:00:00	21:00:00	65	37	164.00
204	26/04/2020	1	1	01:00:00	02:30:00	68	48	118.00
205		1	1	06:00:00	09:00:00	75	60	97.00
206		1	1	19:00:00	20:30:00	72	50	120.00
207	27/04/2020	1	1	02:00:00	03:00:00	70	50	60.00
208		1	1	07:00:00	08:00:00	58	42	92.00
209		1	1	20:00:00	22:00:00	69	45	87.00
210	28/04/2020	1	1	06:00:00	08:30:00	76	52	81.00
211		1	1	19:00:00	22:00:00	70	45	196.00
212	29/04/2020	1	1	00:00:00	02:30:00	80	50	184.00
213		1	1	20:00:00	00:00:00	98	35	356.00
214	30/04/2020	1	1	07:00:00	09:00:00	73	45	77.00
215		1	1	20:00:00	22:40:00	75	35	231.00
216	01/05/2020	1	1	10:00:00	11:00:00	71	45	45.00

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NO	TANGGAL	NO. MESIN		JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9
217		1	1	21:30:00	23:00:00	69	40	90.00
218	02/05/2020	1	1	07:00:00	08:00:00	70	42	35.00
219		1	1	20:25:00	21:55:00	77	50	200.00
220	03/05/2020	1	1	11:36:00	13:00:00	79	30	140.00
221		1	1	21:00:00	22:30:00	75	45	90.00
222	04/05/2020	1	1	12:15:00	13:45:00	75	55	85.00
223	05/05/2020	1	1	01:00:00	02:30:00	65	50	158.00
224		1	1	10:00:00	11:30:00	65	40	133.00
225	06/05/2020	1	1	12:00:00	13:30:00	77	48	100.00
226	07/05/2020	1	1	02:00:00	04:15:00	62	30	184.00
227	08/05/2020	1	1	06:30:00	08:00:00	70	48	130.00
228	09/05/2020	1	1	02:00:00	04:30:00	70	40	210.00
229		1	1	18:00:00	21:30:00	90	45	340.00
230	10/05/2020	1	1	04:00:00	05:30:00	75	50	170.00
231		1	1	19:00:00	20:30:00	73	43	30.00
232	11/05/2020	1	1	07:00:00	08:30:00	60	35	132.00
233	12/05/2020	1	1	17:45:00	21:00:00	80	47	252.00
234	13/05/2020	1	1	03:30:00	05:30:00	75	50	116.00
235		1	1	21:00:00	23:20:00	72	38	220.00
236	14/05/2020	1	1	21:00:00	23:30:00	81	38	200.00
237	15/05/2020	1	1	21:00:00	23:00:00	70	40	100.00
238	16/05/2020	1	1	21:00:00	23:00:00	70	40	253.00
239	17/05/2020	1	1	22:00:00	01:00:00	84	40	178.00
240	18/05/2020	1	1	22:00:00	01:00:00	77	45	224.00
241	19/05/2020	1	1	22:00:00	00:30:00	82	45	175.00
242	20/05/2020	1	1	23:30:00	02:30:00	80	30	366.00
243	21/05/2020	1	1	21:00:00	23:00:00	75	40	184.00
244	22/05/2020	1	1	21:15:00	00:00:00	82	39	565.00
245	23/05/2020	1	1	19:30:00	21:30:00	76	45	135.00
246	24/05/2020	1	1	19:30:00	21:30:00	77	45	140.00
247	25/05/2020	1	1	20:00:00	23:00:00	80	48	201.00

Lampiran – 1.b: Data Operasional Rumah Pompa Sengkarang

NO	TANGGAL	NO. MESIN			JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	3	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9	10
1	10/01/2020	1	1		06:00:00	12:00:00	169	153	270.00
2	10/01/2020		1	1	14:00:00	21:00:00	167	138	378.00
3	10/01/2020	1		1	22:00:00	05:00:00	154	122	378.00
4	11/01/2020		1	1	06:00:00	09:00:00	130	114	135.00
5	11/01/2020		1	1	14:00:00	15:15:00	162	155	27.00
6	11/01/2020		1	1	19:14:00	21:14:00	161	150	54.00
7	11/01/2020		1	1	22:00:00	05:00:00	159	110	387.00
8	12/01/2020			1	14:00:00	15:00:00	161	156	22.00
9	12/01/2020		1	1	20:30:00	21:30:00	160	158	44.00
10	13/01/2020		1	1	02:05:00	05:35:00	164	142	193.00
11	13/01/2020	1		1	15:15:00	16:15:00	165	157	44.00
12	13/01/2020	1	1		17:00:00	21:00:00	163	132	88.00
13	13/01/2020	1		1	22:00:00	05:00:00	143	117	303.00
14	14/01/2020		1	1	17:00:00	19:00:00	164	153	44.00
15	14/01/2020	1	1	1	19:00:00	21:00:00	153	124	66.00
16	14/01/2020	1		1	00:00:00	05:00:00	160	124	225.00
17	14/01/2020	1	1		17:40:00	21:00:00	166	143	144.00
18	15/01/2020	1	1		22:00:00	05:00:00	150	104	388.00
19	16/01/2020			1	11:00:00	13:00:00	155	152	44.00
20	16/01/2020	1	1	1	16:50:00	20:00:00	161	100	205.00
21	16/01/2020	1	1	1	03:00:00	05:30:00	153	104	170.00
22	17/01/2020	1	1	1	17:00:00	19:20:00	157	110	152.00
23	18/01/2020	1	1		18:15:00	21:00:00	155	124	108.00
24	19/01/2020	1			07:23:00	10:00:00	154	141	52.00
25	19/01/2020	1	1		14:00:00	18:00:00	152	96	135.00
26	20/01/2020	1	1	1	06:10:00	08:30:00	143	93	184.00
27	20/01/2020	1		1	03:00:00	05:00:00	150	120	88.00
28	21/01/2020	1	1		07:50:00	10:10:00	131	98	86.50
29	23/01/2020	1	1		06:00:00	07:00:00	149	143	46.00
30	24/01/2020	1	1	1	19:00:00	19:15:00	147	144	17.00
31	24/01/2020	1	1	1	22:10:00	02:00:00	144	118	249.00
32	25/01/2020	1		1	14:00:00	17:00:00	147	135	225.00
33	25/01/2020	1	1		23:00:00	05:00:00	141	145	260.00
34	26/01/2020	1	1	1	06:30:00	09:00:00	145	137	203.00
35	26/01/2020	1	1	1	11:00:00	17:00:00	140	132	408.00
36	26/01/2020	1		1	22:00:00	05:00:00	146	146	312.00
37	27/01/2020	1			06:00:00	09:00:00	147	145	81.00
38	27/01/2020		1	1	06:00:00	12:00:00	147	147	115.00
39	27/01/2020	1	1	1	14:00:00	21:00:00	154	152	475.00
40	27/01/2020	1	1	1	22:00:00	05:30:00	154	150	563.00
41	28/01/2020	1			08:30:00	09:30:00	153	150	25.00
42	28/01/2020		1	1	08:30:00	11:30:00	153	150	98.00
43	28/01/2020		1	1	17:00:00	21:00:00	154	151	192.00
44	28/01/2020	1	1		22:00:00	03:00:00	149	134	360.00
45	29/01/2020	1			09:00:00	12:00:00	139	126	81.00
46	29/01/2020		1		06:00:00	09:00:00	136	139	81.00
47	29/01/2020			1	06:00:00	12:00:00	136	126	197.00
48	29/01/2020	1			17:25:00	21:00:00	130	124	119.00
49	29/01/2020		1	1	14:00:00	21:00:00	132	124	336.00
50	29/01/2020	1		1	23:00:00	05:00:00	128	124	298.80
51	30/01/2020	1	1		06:00:00	11:00:00	130	118	235.00
52	30/01/2020		1	1	14:00:00	21:00:00	127	118	336.00
53	30/01/2020	1		1	22:30:00	05:00:00	120	109	323.70
54	31/01/2020	1	1		08:30:00	11:40:00	120	117	158.00
55	31/01/2020	1	1	1	17:30:00	21:00:00	124	108	259.00

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NO	TANGGAL	NO. MESIN			JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	3	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9	10
56	01/02/2020	1	1		08:00:00	09:40:00	131	129	83.00
57	01/02/2020	1	1		17:00:00	21:00:00	132	122	200.00
58	01/02/2020			1	23:00:00	05:00:00	124	117	132.00
59	01/02/2020		1		23:00:00	02:00:00	124	121	66.00
60	02/02/2020	1			02:00:00	05:00:00	121	117	68.00
61	02/02/2020	1	1	1	06:30:00	08:05:00	122	120	117.00
62	02/02/2020	1	1		17:00:00	21:00:00	137	133	200.00
63	03/02/2020	1	1		00:00:00	04:30:00	134	119	247.00
64	03/02/2020	1	1		06:00:00	08:00:00	126	124	92.00
65	03/02/2020			1	17:00:00	21:00:00	133	120	86.40
66	03/02/2020		1		21:00:00	22:00:00	120	120	24.00
67	03/02/2020	1	1		21:00:00	05:15:00	122	120	378.00
68	05/02/2020	1	1	1	16:30:00	22:00:00	149	143	443.00
69	05/02/2020	1	1	1	22:00:00	05:00:00	145	148	517.00
70	06/02/2020		1		06:00:00	09:00:00	150	136	72.00
71	06/02/2020	1		1	06:00:00	12:00:00	150	140	288.00
72	06/02/2020	1	1	1	17:00:00	22:00:00	146	122	369.00
73	07/02/2020	1	1		00:00:00	05:00:00	136	130	208.00
74	07/02/2020		1		06:30:00	09:00:00	131	110	60.00
75	07/02/2020	1		1	06:30:00	09:30:00	131	110	149.00
76	07/02/2020	1	1		15:00:00	21:00:00	137	147	299.00
77	07/02/2020			1	20:00:00	21:00:00	142	147	24.00
78	07/02/2020	1	1	1	22:00:00	05:00:00	148	152	518.00
79	08/02/2020		1		06:30:00	09:00:00	155	153	60.00
80	08/02/2020	1		1	06:30:00	12:00:00	155	160	273.00
81	08/02/2020	1	1	1	14:10:00	20:50:00	160	159	432.00
82	08/02/2020	1	1	1	22:00:00	05:00:00	162	160	518.00
83	10/02/2020	1	1	1	14:00:00	21:00:00	175	163	517.00
84	10/02/2020	1	1	1	22:30:00	00:00:00	165	165	191.00
85	11/02/2020			1	02:00:00	04:00:00	165	162	48.00
86	11/02/2020	1	1		02:00:00	05:30:00	165	160	168.00
87	11/02/2020	1	1	1	14:00:00	15:45:00	164	160	129.00
88	11/02/2020	1	1	1	17:30:00	21:00:00	164	160	260.00
89	11/02/2020	1	1		22:00:00	05:00:00	160	150	292.80
90	12/02/2020	1	1	1	06:30:00	08:00:00	156	153	118.00
91	12/02/2020	1	1	1	17:30:00	21:00:00	154	146	228.00
92	12/02/2020	1	1	1	22:00:00	05:00:00	151	130	436.80
93	13/02/2020			1	06:00:00	11:25:00	136	127	128.80
94	13/02/2020		1		07:20:00	13:00:00	135	126	136.40
95	13/02/2020		1	1	14:30:00	21:00:00	128	126	312.00
96	14/02/2020		1	1	06:00:00	11:30:00	140	128	264.00
97	14/02/2020		1	1	14:00:00	17:30:00	130	125	168.00
98	14/02/2020		1	1	22:00:00	01:00:00	134	124	200.00
99	15/02/2020		1	1	06:00:00	12:00:00	128	118	288.00
100	15/02/2020		1	1	17:30:00	21:00:00	128	122	168.00
101	16/02/2020		1	1	04:00:00	08:00:00	130	128	88.00
102	16/02/2020		1	1	16:00:00	18:00:00	128	125	96.00
103	16/02/2020	1			14:30:00	15:38:00	132	128	26.30
104	16/02/2020		1	1	14:00:00	19:00:00	134	124	240.00
105	17/02/2020		1	1	00:00:00	04:00:00	130	122	192.00
106	17/02/2020		1	1	14:00:00	17:30:00	132	123	168.00
107	18/02/2020		1	1	00:00:00	05:00:00	130	126	240.00
108	18/02/2020	1			08:00:00	08:50:00	124	124	15.00
109	18/02/2020		1	1	18:00:00	21:00:00	130	122	144.00
110	19/02/2020		1	1	00:00:00	05:00:00	130	122	240.00

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NO	TANGGAL	NO. MESIN			JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	3	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9	10
111	19/02/2020		1	1	14:00:00	22:00:00	134	149	384.00
112	19/02/2020	1			20:00:00	22:00:00	143	149	51.60
113	19/02/2020	1			22:00:00	03:40:00	149	174	142.00
114	19/02/2020		1	1	22:00:00	06:00:00	149	174	380.00
115	20/02/2020	1			09:23:00	13:45:00	179	182	372.00
116	20/02/2020		1	1	08:00:00	13:45:00	174	182	744.00
117	20/02/2020	1			14:25:00	22:00:00	186	188	120.00
118	20/02/2020		1	1	14:15:00	22:00:00	187	188	230.00
119	20/02/2020	1	1	1	22:00:00	16:00:00	188	190	576.00
120	21/02/2020	1	1	1	06:00:00	11:00:00	190	191	418.00
121	21/02/2020	1	1	1	14:00:00	22:00:00	191	190	658.00
122	21/02/2020	1	1	1	22:00:00	06:00:00	190	190	658.00
123	22/02/2020	1			06:00:00	11:30:00	190	189	143.00
124	22/02/2020		1	1	06:00:00	14:00:00	190	189	450.00
125	22/02/2020		1	1	14:00:00	22:00:00	190	187	450.00
126	22/02/2020		1	1	22:00:00	06:00:00	187	184	450.00
127	23/02/2020		1	1	06:00:00	11:00:00	184	182	300.00
128	23/02/2020		1	1	14:00:00	22:00:00	182	178	450.00
129	23/02/2020		1	1	22:00:00	06:00:00	179	214	450.00
130	24/02/2020		1	1	06:00:00	14:00:00	214	227	515.00
131	24/02/2020		1	1	14:00:00	22:00:00	227	230	515.00
132	24/02/2020		1	1	22:00:00	06:00:00	230	234	515.00
133	25/02/2020		1	1	06:00:00	14:00:00	235	232	515.00
134	25/02/2020		1	1	14:00:00	22:00:00	232	229	515.00
135	25/02/2020		1	1	22:00:00	06:00:00	229	225	515.00
136	26/02/2020		1	1	06:00:00	14:00:00	225	220	483.00
137	26/02/2020		1	1	14:00:00	22:00:00	220	218	499.00
138	26/02/2020		1	1	22:00:00	06:00:00	217	212	515.00
139	27/02/2020		1	1	06:00:00	11:00:00	212	210	300.00
140	27/02/2020		1		15:00:00	16:00:00	210	208	28.00
141	27/02/2020			1	15:00:00	19:19:00	210	208	121.00
142	27/02/2020		1		20:30:00	22:00:00	208	207	40.12
143	27/02/2020			1	21:20:00	22:00:00	208	207	18.72
144	27/02/2020		1	1	22:00:00	05:00:00	207	206	450.00
145	28/02/2020		1	1	06:00:00	11:00:00	205	203	283.00
146	28/02/2020		1	1	13:00:00	14:00:00	203	202	57.00
147	28/02/2020		1	1	14:00:00	21:00:00	202	208	392.00
148	28/02/2020		1		22:00:00	23:00:00	208	207	28.20
149	28/02/2020			1	22:00:00	01:00:00	208	206	846.00
150	28/02/2020		1		01:00:00	05:00:00	206	205	112.80
151	28/02/2020			1	02:00:00	05:00:00	206	205	89.60
152	29/02/2020		1	1	06:00:00	12:00:00	206	201	394.00
153	29/02/2020		1	1	14:00:00	22:00:00	202	210	452.00
154	29/02/2020		1	1	23:00:00	05:00:00	210	210	360.00
155	01/03/2020		1		06:30:00	11:30:00	210	209	165.00
156	01/03/2020			1	06:30:00	12:00:00	210	209	181.00
157	01/03/2020		1	1	14:00:00	21:00:00	212	210	450.00
158	01/03/2020		1		22:30:00	05:00:00	213	209	195.00
159	01/03/2020			1	22:00:00	05:00:00	213	209	210.00
160	02/03/2020		1	1	06:00:00	13:00:00	210	213	450.00
161	02/03/2020		1	1	14:00:00	22:00:00	208	210	450.00
162	02/03/2020		1	1	22:00:00	05:00:00	211	208	394.00
163	03/03/2020		1	1	06:30:00	13:00:00	210	206	390.00
164	03/03/2020		1	1	14:40:00	21:00:00	209	206	320.00
165	03/03/2020		1	1	22:00:00	05:00:00	207	200	394.00

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NO	TANGGAL	NO. MESIN			JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	3	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9	10
166	04/03/2020		1	1	06:00:00	12:00:00	201	198	396.00
167	04/03/2020		1	1	14:00:00	17:00:00	198	198	144.00
168	04/03/2020		1	1	19:00:00	21:00:00	199	197	96.00
169	04/03/2020		1	1	22:00:00	05:00:00	198	194	336.00
170	05/03/2020		1	1	06:00:00	12:00:00	186	192	336.00
171	05/03/2020		1	1	14:00:00	21:00:00	192	190	336.00
172	05/03/2020		1		22:00:00	04:00:00	198	185	144.00
173	05/03/2020			1	22:00:00	05:00:00	198	187	168.00
174	06/03/2020		1	1	06:00:00	11:30:00	187	183	315.00
175	06/03/2020		1	1	14:00:00	19:00:00	183	190	336.00
176	06/03/2020		1		22:00:00	04:00:00	190	190	144.00
177	06/03/2020			1	22:00:00	05:00:00	190	190	168.00
178	07/03/2020		1		05:00:00	06:00:00	190	190	24.00
179	07/03/2020		1		06:00:00	12:00:00	190	188	144.00
180	07/03/2020			1	06:00:00	13:00:00	190	189	168.00
181	07/03/2020		1		12:00:00	13:00:00	189	189	24.00
182	07/03/2020		1	1	14:00:00	22:00:00	188	186	336.00
183	07/03/2020		1		22:00:00	04:00:00	188	183	144.00
184	07/03/2020			1	22:00:00	05:00:00	188	184	168.00
185	08/03/2020		1	1	06:00:00	12:00:00	183	181	288.00
186	08/03/2020		1	1	14:00:00	22:00:00	181	181	336.00
187	08/03/2020			1	22:00:00	05:00:00	178	175	168.00
188	08/03/2020		1		22:00:00	04:00:00	178	175	168.00
189	09/03/2020		1	1	06:00:00	13:00:00	176	174	336.00
190	09/03/2020		1		14:00:00	20:00:00	174	167	138.00
191	09/03/2020			1	14:00:00	21:00:00	174	167	162.00
192	10/03/2020		1	1	06:00:00	13:00:00	165	167	336.00
193	10/03/2020		1		14:00:00	20:00:00	167	159	138.00
194	10/03/2020			1	14:00:00	21:00:00	167	159	162.00
195	10/03/2020		1	1	22:00:00	05:00:00	160	150	312.00
196	11/03/2020		1	1	06:00:00	13:00:00	151	159	312.00
197	11/03/2020		1	1	14:40:00	21:00:00	150	140	336.00
198	11/03/2020		1		22:00:00	04:00:00	142	135	144.00
199	11/03/2020			1	22:00:00	05:00:00	142	135	168.00
200	12/03/2020		1	1	06:00:00	13:00:00	132	118	336.00
201	12/03/2020		1		14:00:00	20:00:00	118	117	144.00
202	12/03/2020			1	14:00:00	15:00:00	118	118	24.00
203	12/03/2020			1	17:00:00	21:00:00	118	116	96.00
204	12/03/2020		1		22:00:00	04:00:00	125	119	126.00
205	12/03/2020			1	22:00:00	05:00:00	125	118	147.00
206	13/03/2020		1	1	06:00:00	13:30:00	113	103	231.00
207	13/03/2020		1	1	14:00:00	20:00:00	113	101	252.00
208	13/03/2020		1	1	22:00:00	04:00:00	106	89	252.00
209	14/03/2020		1		06:00:00	13:00:00	100	90	147.00
210	14/03/2020			1	06:00:00	09:00:00	100	96	54.00
211	14/03/2020			1	14:00:00	19:00:00	75	50	105.00
212	14/03/2020		1		16:00:00	19:00:00	72	50	63.00
213	15/03/2020		1	1	06:00:00	11:00:00	98	75	210.00
214	15/03/2020		1	1	14:00:00	19:00:00	80	50	210.00
215	15/03/2020		1	1	22:00:00	00:00:00	65	40	96.00
216	16/03/2020		1	1	06:00:00	11:00:00	70	54	210.00
217	16/03/2020		1	1	14:00:00	17:30:00	70	44	102.00
218	16/03/2020		1	1	22:00:00	01:00:00	75	48	126.00
219	17/03/2020		1		06:00:00	10:00:00	76	55	84.00
220	17/03/2020			1	06:00:00	11:00:00	76	52	105.00

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NO	TANGGAL	NO. MESIN			JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	3	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9	10
221	17/03/2020			1	14:00:00	19:00:00	65	50	120.00
222	18/03/2020			1	00:00:00	03:00:00	65	60	63.00
223	18/03/2020		1	1	06:00:00	08:50:00	68	47	96.00
224	18/03/2020		1		14:00:00	18:00:00	73	59	84.00
225	18/03/2020		1	1	22:00:00	00:00:00	65	50	96.00
226	19/03/2020		1	1	06:00:00	09:00:00	73	45	144.00
227	19/03/2020		1	1	14:30:00	16:30:00	68	48	105.00
228	19/03/2020		1	1	22:00:00	01:00:00	75	49	149.00
229	20/03/2020		1	1	02:00:00	05:00:00	84	45	126.00
230	21/03/2020		1	1	13:00:00	15:00:00	71	50	96.00
231	22/03/2020		1	1	02:00:00	05:15:00	80	44	138.00
232	22/03/2020		1	1	13:00:00	14:00:00	80	75	42.00
233	22/03/2020		1	1	14:00:00	18:00:00	75	30	180.00
234	23/03/2020		1	1	00:00:00	03:00:00	80	45	144.00
235	23/03/2020		1	1	10:00:00	12:00:00	70	49	84.00
236	23/03/2020		1	1	05:00:00	06:00:00	81	72	41.00
237	24/03/2020		1	1	00:00:00	02:00:00	78	54	96.00
238	25/03/2020		1	1	03:00:00	12:00:00	72	40	144.00
239	25/03/2020		1	1	04:00:00	06:00:00	74	54	96.00
240	26/03/2020		1	1	06:00:00	07:40:00	54	45	80.00
241	26/03/2020		1	1	20:00:00	22:00:00	74	80	96.00
242	26/03/2020		1	1	22:00:00	05:00:00	80	72	244.00
243	27/03/2020		1	1	07:30:00	10:30:00	85	59	144.00
244	27/03/2020		1	1	15:00:00	19:00:00	88	45	190.00
245	27/03/2020		1	1	22:00:00	00:00:00	65	48	84.00
246	28/03/2020		1	1	07:00:00	11:00:00	79	50	192.00
247	28/03/2020		1	1	14:00:00	17:00:00	68	40	144.00
248	28/03/2020		1	1	22:00:00	00:00:00	75	50	96.00
249	29/03/2020		1	1	07:00:00	09:00:00	77	57	96.00
250	29/03/2020		1	1	15:00:00	17:00:00	68	47	96.00
251	29/03/2020		1	1	03:06:00	05:00:00	66	50	96.00
252	30/03/2020		1	1	07:30:00	10:00:00	67	45	108.00
253	30/03/2020		1	1	17:00:00	19:00:00	68	48	96.00
254	31/03/2020		1	1	10:00:00	12:00:00	80	53	96.00
255	01/04/2020		1	1	12:00:00	13:30:00	85	78	81.00
256	01/04/2020		1	1	19:00:00	22:00:00	87	69	144.00
257	01/04/2020		1	1	22:00:00	00:00:00	67	51	96.00
258	02/04/2020		1	1	08:00:00	12:00:00	96	70	192.00
259	02/04/2020		1	1	16:00:00	17:40:00	98	100	80.00
260	02/04/2020		1	1	23:00:00	04:00:00	120	88	240.00
261	03/04/2020		1	1	08:00:00	11:00:00	95	56	240.00
262	03/04/2020		1	1	00:00:00	04:00:00	106	70	192.00
263	04/04/2020		1	1	10:00:00	13:00:00	96	70	144.00
264	04/04/2020		1	1	15:00:00	16:30:00	75	68	78.00
265	05/04/2020		1	1	00:00:00	02:00:00	80	55	96.00
266	05/04/2020		1	1	08:00:00	12:00:00	79	47	192.00
267	05/04/2020		1	1	23:00:00	01:00:00	70	48	96.00
268	06/04/2020		1	1	16:00:00	18:00:00	72	48	96.00
269	07/04/2020		1	1	00:00:00	01:00:00	65	50	48.00
270	07/04/2020		1	1	10:00:00	12:30:00	78	58	72.00
271	08/04/2020		1	1	00:00:00	02:00:00	78	57	96.00
272	08/04/2020		1	1	11:00:00	13:00:00	67	55	103.00
273	08/04/2020		1	1	16:30:00	18:00:00	65	40	72.00
274	09/04/2020		1	1	07:00:00	09:00:00	72	50	96.00
275	09/04/2020		1	1	16:00:00	18:00:00	68	45	96.00

Lampiran – 1.b: Data Operasional Rumah Pompa Sengkarang

NO	TANGGAL	NO. MESIN			JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	3	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9	10
276	10/04/2020		1	1	08:00:00	10:00:00	79	50	96.00
277	10/04/2020		1	1	16:30:00	18:00:00	65	45	72.00
278	11/04/2020		1	1	02:00:00	04:00:00	70	50	103.00
279	12/04/2020		1	1	19:30:00	21:00:00	62	45	72.00
280	13/04/2020		1	1	23:00:00	01:00:00	74	50	96.00
281	14/04/2020		1	1	20:00:00	22:00:00	70	58	92.00
282	16/04/2020		1	1	09:00:00	12:00:00	75	46	144.00
283	17/04/2020		1	1	09:00:00	11:00:00	70	45	96.00
284	18/04/2020		1	1	11:00:00	13:00:00	70	63	96.00
285	19/04/2020		1		06:00:00	07:30:00	71	55	39.00
286	19/04/2020			1	06:00:00	09:00:00	71	50	77.00
287	20/04/2020		1	1	11:00:00	13:00:00	71	58	108.00
288	21/04/2020		1	1	07:00:00	09:00:00	64	49	96.00
289	21/04/2020		1	1	15:00:00	18:00:00	84	54	144.00
290	22/04/2020			1	07:00:00	08:00:00	78	75	24.00
291	22/04/2020		1		19:00:00	20:00:00	82	75	24.00
292	22/04/2020			1	19:00:00	20:00:00	82	75	24.00
293	22/04/2020		1	1	23:00:00	23:30:00	80	78	24.00
294	23/04/2020		1	1	07:00:00	09:00:00	74	51	92.00
295	23/04/2020		1	1	20:00:00	22:00:00	80	70	96.00
296	24/04/2020		1	1	00:00:00	04:00:00	74	80	164.00
297	24/04/2020		1	1	06:00:00	10:00:00	94	63	192.00
298	24/04/2020		1	1	14:00:00	21:00:00	84	74	334.00
299	24/04/2020		1	1	23:00:00	02:00:00	81	56	144.00
300	25/04/2020		1	1	07:00:00	10:00:00	76	55	144.00
301	25/04/2020		1	1	19:00:00	22:00:00	86	58	151.00
302	26/04/2020			1	06:00:00	10:00:00	80	67	96.00
303	26/04/2020		1		10:30:00	11:00:00	67	70	12.00
304	26/04/2020		1	1	17:00:00	21:00:00	86	60	206.00
305	27/04/2020		1	1	02:00:00	04:00:00	74	55	96.00
306	27/04/2020		1	1	07:00:00	09:30:00	66	49	228.00
307	27/04/2020		1	1	19:00:00	21:00:00	78	67	96.00
308	28/04/2020		1	1	06:00:00	09:00:00	81	50	159.00
309	28/04/2020		1	1	17:00:00	21:00:00	82	72	192.00
310	29/04/2020		1	1	00:00:00	03:00:00	84	63	187.00
311	29/04/2020		1	1	06:00:00	12:00:00	82	60	277.00
312	29/04/2020		1	1	20:00:00	22:00:00	98	75	96.00
313	29/04/2020		1	1	22:00:00	00:00:00	79	55	146.00
314	30/04/2020		1	1	07:20:00	08:20:00	78	56	96.00
315	30/04/2020		1	1	20:00:00	22:00:00	83	60	96.00
316	30/04/2020		1	1	22:00:00	23:00:00	60	46	48.00
317	01/05/2020		1	1	09:00:00	11:00:00	74	61	96.00
318	01/05/2020		1	1	20:00:00	23:00:00	78	68	96.00
319	01/05/2020		1	1	22:00:00	00:00:00	68	46	140.00
320	02/05/2020		1	1	06:15:00	09:15:00	72	78	150.00
321	02/05/2020		1	1	20:00:00	22:00:00	82	60	184.00
322	02/05/2020		1	1	20:00:00	23:00:00	60	48	54.00
323	03/05/2020		1	1	10:00:00	12:00:00	81	70	96.00
324	03/05/2020		1	1	20:00:00	22:00:00	77	60	108.00
325	03/05/2020		1	1	22:00:00	23:00:00	60	49	54.00
326	04/05/2020		1	1	21:00:00	22:00:00	83	75	48.00
327	04/05/2020		1	1	22:00:00	01:00:00	75	63	144.00
328	05/05/2020		1	1	09:30:00	11:30:00	65	45	108.00
329	06/05/2020		1	1	11:30:00	13:30:00	77	58	108.00
330	07/05/2020		1	1	00:00:00	03:00:00	75	46	155.00

Lampiran – 1.b: Data Operasional Rumah Pompa Sengkarang

NO	TANGGAL	NO. MESIN			JAM OPERASI		ELEVASI (CM)		KONSUMSI BBM (lt)
		1	2	3	AWAL	AKHIR	AWAL	AKHIR	
1	2	3	4	5	6	7	8	9	10
331	07/05/2020		1	1	07:00:00	08:30:00	77	60	32.00
332	08/05/2020		1	1	02:15:00	04:15:00	80	54	100.00
333	09/05/2020		1	1	18:00:00	21:00:00	96	71	144.00
334	09/05/2020		1	1	04:00:00	06:00:00	80	59	108.00
335	10/05/2020		1	1	06:00:00	07:00:00	59	48	15.00
336	10/05/2020		1	1	18:00:00	21:00:00	61	57	144.00
337	11/05/2020		1	1	06:00:00	08:00:00	65	48	92.00
338	12/05/2020		1	1	04:00:00	08:00:00	87	66	184.00
339	13/05/2020		1	1	18:00:00	21:00:00	61	57	144.00
340	13/05/2020		1	1	22:00:00	00:00:00	75	46	92.00
341	14/05/2020		1	1	22:00:00	00:00:00	75	48	109.00
342	15/05/2020		1	1	20:30:00	22:00:00	85	77	88.00
343	16/05/2020		1	1	22:00:00	23:30:00	69	46	81.00
344	17/05/2020		1	1	22:30:00	01:30:00	90	51	162.00
345	18/05/2020		1	1	22:00:00	01:00:00	90	55	162.00
346	19/05/2020		1	1	22:30:00	01:00:00	88	48	135.00
347	20/05/2020		1	1	01:30:00	03:30:00	82	50	162.00
348	21/05/2020		1	1	21:00:00	22:00:00	82	72	64.00
349	21/05/2020		1	1	22:00:00	23:30:00	72	49	81.00
350	22/05/2020		1	1	21:00:00	22:00:00	90	75	54.00
351	22/05/2020		1	1	22:00:00	00:00:00	75	50	125.00
352	23/05/2020		1	1	20:00:00	22:00:00	81	50	115.00
353	24/05/2020		1	1	20:00:00	22:00:00	82	50	115.00
354	25/05/2020		1	1	20:00:00	22:00:00	82	70	115.00
355	25/05/2020		1	1	22:00:00	23:15:00	70	48	76.00

Lampiran – 2.a: Analisis Hubungan Antara Kapasitas Pompa dengan Biaya Operasional Rumah Pompa Silempeng

NO	TANGGAL	VOLUME PEMOMPAAN (m3)	KONSUMSI BBM (lt)			
		X	Y	X2	Y2	XY
1	10/01/2020	288,000.00	1534.00	82,944,000,000.00	2,353,156.00	441,792,000.00
2	11/01/2020	172,800.00	786.00	29,859,840,000.00	617,796.00	135,820,800.00
3	12/01/2020	172,800.00	505.00	29,859,840,000.00	255,025.00	87,264,000.00
4	13/01/2020	273,600.00	1781.00	74,856,960,000.00	3,171,961.00	487,281,600.00
5	14/01/2020	115,200.00	624.00	13,271,040,000.00	389,376.00	71,884,800.00
6	16/01/2020	216,000.00	1128.00	46,656,000,000.00	1,272,384.00	243,648,000.00
7	17/01/2020	259,200.00	1253.00	67,184,640,000.00	1,570,009.00	324,777,600.00
8	18/01/2020	158,400.00	820.00	25,090,560,000.00	672,400.00	129,888,000.00
9	19/01/2020	43,200.00	65.00	1,866,240,000.00	4,225.00	2,808,000.00
10	20/01/2020	129,600.00	515.00	16,796,160,000.00	265,225.00	66,744,000.00
11	21/01/2020	100,800.00	422.00	10,160,640,000.00	178,084.00	42,537,600.00
12	22/01/2020	86,400.00	118.00	7,464,960,000.00	13,924.00	10,195,200.00
13	23/01/2020	57,600.00	308.00	3,317,760,000.00	94,864.00	17,740,800.00
14	25/01/2020	180,000.00	715.00	32,400,000,000.00	511,225.00	128,700,000.00
15	26/01/2020	288,000.00	1226.00	82,944,000,000.00	1,503,076.00	353,088,000.00
16	27/01/2020	86,400.00	404.00	7,464,960,000.00	163,216.00	34,905,600.00
17	28/01/2020	194,400.00	850.00	37,791,360,000.00	722,500.00	165,240,000.00
18	29/01/2020	57,600.00	300.00	3,317,760,000.00	90,000.00	17,280,000.00
19	30/01/2020	43,200.00	148.00	1,866,240,000.00	21,904.00	6,393,600.00
20	02/02/2020	129,600.00	442.00	16,796,160,000.00	195,364.00	57,283,200.00
21	04/02/2020	57,600.00	294.00	3,317,760,000.00	86,436.00	16,934,400.00
22	05/02/2020	72,000.00	322.00	5,184,000,000.00	103,684.00	23,184,000.00
23	06/02/2020	187,200.00	808.00	35,043,840,000.00	652,864.00	151,257,600.00
24	07/02/2020	165,600.00	668.00	27,423,360,000.00	446,224.00	110,620,800.00
25	08/02/2020	201,600.00	1062.00	40,642,560,000.00	1,127,844.00	214,099,200.00
26	10/02/2020	144,000.00	834.00	20,736,000,000.00	695,556.00	120,096,000.00
27	11/02/2020	259,200.00	821.00	67,184,640,000.00	674,041.00	212,803,200.00
28	12/02/2020	187,200.00	441.00	35,043,840,000.00	194,481.00	82,555,200.00
29	13/02/2020	100,800.00	449.00	10,160,640,000.00	201,601.00	45,259,200.00
30	14/02/2020	115,200.00	390.00	13,271,040,000.00	152,100.00	44,928,000.00
31	19/02/2020	144,000.00	450.00	20,736,000,000.00	202,500.00	64,800,000.00
32	22/02/2020	230,400.00	855.00	53,084,160,000.00	731,025.00	196,992,000.00
33	23/02/2020	273,600.00	1212.00	74,856,960,000.00	1,468,944.00	331,603,200.00
34	24/02/2020	230,400.00	967.00	53,084,160,000.00	935,089.00	222,796,800.00
35	25/02/2020	345,600.00	1467.00	119,439,360,000.00	2,152,089.00	506,995,200.00
36	27/02/2020	302,400.00	1335.00	91,445,760,000.00	1,782,225.00	403,704,000.00
37	29/02/2020	288,000.00	1240.00	82,944,000,000.00	1,537,600.00	357,120,000.00
38	02/03/2020	194,400.00	834.00	37,791,360,000.00	695,556.00	162,129,600.00
39	03/03/2020	295,200.00	1251.00	87,143,040,000.00	1,565,001.00	369,295,200.00
40	04/03/2020	288,000.00	1154.00	82,944,000,000.00	1,331,716.00	332,352,000.00
41	05/03/2020	302,400.00	1311.00	91,445,760,000.00	1,718,721.00	396,446,400.00
42	06/03/2020	273,600.00	1170.00	74,856,960,000.00	1,368,900.00	320,112,000.00
43	07/03/2020	302,400.00	1430.00	91,445,760,000.00	2,044,900.00	432,432,000.00
44	09/03/2020	302,400.00	1405.00	91,445,760,000.00	1,974,025.00	424,872,000.00
45	10/03/2020	187,200.00	699.00	35,043,840,000.00	488,601.00	130,852,800.00
46	11/03/2020	316,800.00	1329.00	100,362,240,000.00	1,766,241.00	421,027,200.00
47	12/03/2020	144,000.00	717.00	20,736,000,000.00	514,089.00	103,248,000.00
48	13/03/2020	90,000.00	454.00	8,100,000,000.00	206,116.00	40,860,000.00
49	14/03/2020	75,600.00	175.00	5,715,360,000.00	30,625.00	13,230,000.00
50	15/03/2020	91,200.00	320.00	8,317,440,000.00	102,400.00	29,184,000.00
51	16/03/2020	50,400.00	248.00	2,540,160,000.00	61,504.00	12,499,200.00
52	17/03/2020	75,600.00	437.00	5,715,360,000.00	190,969.00	33,037,200.00
53	18/03/2020	54,000.00	155.00	2,916,000,000.00	24,025.00	8,370,000.00

Lampiran – 2.a: Analisis Hubungan Antara Kapasitas Pompa dengan Biaya Operasional Rumah Pompa Silempeng

		X	Y	X ²	Y ²	XY
54	19/03/2020	57,600.00	352.00	3,317,760,000.00	123,904.00	20,275,200.00
55	20/03/2020	36,000.00	235.00	1,296,000,000.00	55,225.00	8,460,000.00
56	21/03/2020	43,200.00	103.00	1,866,240,000.00	10,609.00	4,449,600.00
57	22/03/2020	55,200.00	325.00	3,047,040,000.00	105,625.00	17,940,000.00
58	23/03/2020	79,200.00	467.00	6,272,640,000.00	218,089.00	36,986,400.00
59	24/03/2020	21,600.00	76.00	466,560,000.00	5,776.00	1,641,600.00
60	25/03/2020	39,600.00	224.00	1,568,160,000.00	50,176.00	8,870,400.00
61	26/03/2020	57,600.00	302.00	3,317,760,000.00	91,204.00	17,395,200.00
62	27/03/2020	93,600.00	375.00	8,760,960,000.00	140,625.00	35,100,000.00
63	28/03/2020	57,600.00	304.00	3,317,760,000.00	92,416.00	17,510,400.00
64	29/03/2020	28,800.00	88.00	829,440,000.00	7,744.00	2,534,400.00
65	30/03/2020	50,400.00	208.00	2,540,160,000.00	43,264.00	10,483,200.00
66	01/04/2020	36,000.00	140.00	1,296,000,000.00	19,600.00	5,040,000.00
67	02/04/2020	57,600.00	210.00	3,317,760,000.00	44,100.00	12,096,000.00
68	03/04/2020	158,400.00	860.00	25,090,560,000.00	739,600.00	136,224,000.00
69	04/04/2020	93,600.00	374.00	8,760,960,000.00	139,876.00	35,006,400.00
70	05/04/2020	72,000.00	196.00	5,184,000,000.00	38,416.00	14,112,000.00
71	06/04/2020	50,400.00	210.00	2,540,160,000.00	44,100.00	10,584,000.00
72	08/04/2020	21,600.00	116.00	466,560,000.00	13,456.00	2,505,600.00
73	10/04/2020	14,400.00	44.00	207,360,000.00	1,936.00	633,600.00
74	12/04/2020	14,400.00	65.00	207,360,000.00	4,225.00	936,000.00
75	14/04/2020	14,400.00	35.00	207,360,000.00	1,225.00	504,000.00
76	17/04/2020	14,400.00	35.00	207,360,000.00	1,225.00	504,000.00
77	19/04/2020	14,400.00	65.00	207,360,000.00	4,225.00	936,000.00
78	21/04/2020	68,400.00	450.00	4,678,560,000.00	202,500.00	30,780,000.00
79	22/04/2020	115,200.00	487.00	13,271,040,000.00	237,169.00	56,102,400.00
80	23/04/2020	90,000.00	398.00	8,100,000,000.00	158,404.00	35,820,000.00
81	24/04/2020	97,200.00	405.00	9,447,840,000.00	164,025.00	39,366,000.00
82	26/04/2020	86,400.00	335.00	7,464,960,000.00	112,225.00	28,944,000.00
83	27/04/2020	57,600.00	239.00	3,317,760,000.00	57,121.00	13,766,400.00
84	28/04/2020	79,200.00	277.00	6,272,640,000.00	76,729.00	21,938,400.00
85	29/04/2020	93,600.00	540.00	8,760,960,000.00	291,600.00	50,544,000.00
86	30/04/2020	67,200.00	308.00	4,515,840,000.00	94,864.00	20,697,600.00
87	01/05/2020	36,000.00	135.00	1,296,000,000.00	18,225.00	4,860,000.00
88	02/05/2020	36,000.00	235.00	1,296,000,000.00	55,225.00	8,460,000.00
89	03/05/2020	41,760.00	230.00	1,743,897,600.00	52,900.00	9,604,800.00
90	04/05/2020	21,600.00	85.00	466,560,000.00	7,225.00	1,836,000.00
91	05/05/2020	43,200.00	291.00	1,866,240,000.00	84,681.00	12,571,200.00
92	06/05/2020	21,600.00	100.00	466,560,000.00	10,000.00	2,160,000.00
93	07/05/2020	32,400.00	184.00	1,049,760,000.00	33,856.00	5,961,600.00
94	08/05/2020	21,600.00	130.00	466,560,000.00	16,900.00	2,808,000.00
95	10/05/2020	43,200.00	200.00	1,866,240,000.00	40,000.00	8,640,000.00
96	12/05/2020	46,800.00	252.00	2,190,240,000.00	63,504.00	11,793,600.00
97	13/05/2020	62,400.00	336.00	3,893,760,000.00	112,896.00	20,966,400.00
98	14/05/2020	36,000.00	200.00	1,296,000,000.00	40,000.00	7,200,000.00
99	15/05/2020	28,800.00	100.00	829,440,000.00	10,000.00	2,880,000.00
100	17/05/2020	43,200.00	178.00	1,866,240,000.00	31,684.00	7,689,600.00
101	18/05/2020	43,200.00	224.00	1,866,240,000.00	50,176.00	9,676,800.00
102	19/05/2020	36,000.00	175.00	1,296,000,000.00	30,625.00	6,300,000.00
103	23/05/2020	28,800.00	135.00	829,440,000.00	18,225.00	3,888,000.00
104	24/05/2020	28,800.00	140.00	829,440,000.00	19,600.00	4,032,000.00
105	25/05/2020	43,200.00	201.00	1,866,240,000.00	40,401.00	8,683,200.00
105		12,032,160.00	53,027.00	2,269,429,977,600.00	45,420,807.00	9,999,667,200.00

Lampiran – 2.a: Analisis Hubungan Antara Kapasitas Pompa dengan Biaya Operasional Rumah Pompa Silempeng

Rumus Pearson

$$a = \frac{(\sum y) (\sum x^2) - (\sum x) (\sum xy)}{n(\sum x^2) - (\sum x)^2}$$
$$a = 0.2572$$

$$b = \frac{n(\sum xy) - (\sum x) (\sum y)}{n(\sum x^2) - (\sum x)^2}$$
$$b = 0.0044$$

$$Y = a + bX$$

$$Y = 0.2572 + 0.0044.X$$

$$r = \frac{n\sum XY - \sum X \sum Y}{\sqrt{(n\sum X^2 - (\sum X)^2)(n\sum Y^2 - (\sum Y)^2)}}$$

$$r = 0.9629 \quad \text{--> sangat kuat}$$

Lampiran – 2.b: Analisis Hubungan Antara Kapasitas Pompa dengan Biaya Operasional Rumah Pompa Sengkarang

NO	TANGGAL	VOLUME		X2	Y2	XY
		PEMOMPAAN (m3)	KONSUMSI BBM (lt)			
1		X	Y			
1	10/01/2020	288,000.00	1,026.00	82,944,000,000.00	1,052,676.00	295,488,000.00
2	11/01/2020	190,800.00	603.00	36,404,640,000.00	363,609.00	115,052,400.00
3	12/01/2020	21,600.00	66.00	466,560,000.00	4,356.00	1,425,600.00
4	15/01/2020	100,800.00	388.00	10,160,640,000.00	150,544.00	39,110,400.00
5	16/01/2020	136,800.00	419.00	18,714,240,000.00	175,561.00	57,319,200.00
6	17/01/2020	50,400.00	152.00	2,540,160,000.00	23,104.00	7,660,800.00
7	20/01/2020	79,200.00	272.00	6,272,640,000.00	73,984.00	21,542,400.00
8	23/01/2020	14,400.00	46.00	207,360,000.00	2,116.00	662,400.00
9	24/01/2020	88,200.00	266.00	7,779,240,000.00	70,756.00	23,461,200.00
10	25/01/2020	129,600.00	485.00	16,796,160,000.00	235,225.00	62,856,000.00
11	26/01/2020	284,400.00	923.00	80,883,360,000.00	851,929.00	262,501,200.00
12	27/01/2020	421,200.00	1,234.00	177,409,440,000.00	1,522,756.00	519,760,800.00
13	28/01/2020	180,000.00	675.00	32,400,000,000.00	455,625.00	121,500,000.00
14	29/01/2020	299,400.00	1,112.80	89,640,360,000.00	1,238,323.84	333,172,320.00
15	30/01/2020	266,400.00	894.70	70,968,960,000.00	800,488.09	238,348,080.00
16	31/01/2020	121,200.00	417.00	14,689,440,000.00	173,889.00	50,540,400.00
17	01/02/2020	146,400.00	481.00	21,432,960,000.00	231,361.00	70,418,400.00
18	02/02/2020	113,400.00	385.00	12,859,560,000.00	148,225.00	43,659,000.00
19	03/02/2020	248,400.00	827.40	61,702,560,000.00	684,590.76	205,526,160.00
20	05/02/2020	270,000.00	960.00	72,900,000,000.00	921,600.00	259,200,000.00
21	06/02/2020	216,000.00	729.00	46,656,000,000.00	531,441.00	157,464,000.00
22	07/02/2020	378,000.00	1,258.00	142,884,000,000.00	1,582,564.00	475,524,000.00
23	08/02/2020	392,400.00	1,283.00	153,977,760,000.00	1,646,089.00	503,449,200.00
24	10/02/2020	183,600.00	708.00	33,708,960,000.00	501,264.00	129,988,800.00
25	11/02/2020	279,000.00	897.80	77,841,000,000.00	806,044.84	250,486,200.00
26	12/02/2020	259,200.00	782.80	67,184,640,000.00	612,775.84	202,901,760.00
27	13/02/2020	173,400.00	577.20	30,067,560,000.00	333,159.84	100,086,480.00
28	14/02/2020	172,800.00	632.00	29,859,840,000.00	399,424.00	109,209,600.00
29	15/02/2020	136,800.00	456.00	18,714,240,000.00	207,936.00	62,380,800.00
30	17/02/2020	108,000.00	360.00	11,664,000,000.00	129,600.00	38,880,000.00
31	18/02/2020	121,200.00	399.00	14,689,440,000.00	159,201.00	48,358,800.00
32	19/02/2020	357,600.00	1,197.60	127,877,760,000.00	1,434,245.76	428,261,760.00
33	20/02/2020	669,240.00	2,042.00	447,882,177,600.00	4,169,764.00	1,366,588,080.00
34	21/02/2020	453,600.00	1,734.00	205,752,960,000.00	3,006,756.00	786,542,400.00
35	22/02/2020	385,200.00	1,493.00	148,379,040,000.00	2,229,049.00	575,103,600.00
36	23/02/2020	302,400.00	1,200.00	91,445,760,000.00	1,440,000.00	362,880,000.00
37	24/02/2020	345,600.00	1,545.00	119,439,360,000.00	2,387,025.00	533,952,000.00
38	25/02/2020	345,600.00	1,545.00	119,439,360,000.00	2,387,025.00	533,952,000.00
39	26/02/2020	345,600.00	1,497.00	119,439,360,000.00	2,241,009.00	517,363,200.00
40	27/02/2020	226,680.00	957.84	51,383,822,400.00	917,457.47	217,123,171.20
41	29/02/2020	288,000.00	1,206.00	82,944,000,000.00	1,454,436.00	347,328,000.00
42	01/03/2020	273,600.00	1,201.00	74,856,960,000.00	1,442,401.00	328,593,600.00
43	02/03/2020	316,800.00	1,294.00	100,362,240,000.00	1,674,436.00	409,939,200.00
44	03/03/2020	285,600.00	1,104.00	81,567,360,000.00	1,218,816.00	315,302,400.00
45	04/03/2020	259,200.00	972.00	67,184,640,000.00	944,784.00	251,942,400.00

Lampiran – 2.b: Analisis Hubungan Antara Kapasitas Pompa dengan Biaya Operasional Rumah Pompa Sengkarang

		X	Y	X ²	Y ²	XY
46	05/03/2020	280,800.00	984.00	78,848,640,000.00	968,256.00	276,307,200.00
47	06/03/2020	244,800.00	963.00	59,927,040,000.00	927,369.00	235,742,400.00
48	07/03/2020	316,800.00	1,008.00	100,362,240,000.00	1,016,064.00	319,334,400.00
49	08/03/2020	295,200.00	960.00	87,143,040,000.00	921,600.00	283,392,000.00
50	09/03/2020	194,400.00	636.00	37,791,360,000.00	404,496.00	123,638,400.00
51	10/03/2020	295,200.00	948.00	87,143,040,000.00	898,704.00	279,849,600.00
52	11/03/2020	285,600.00	960.00	81,567,360,000.00	921,600.00	274,176,000.00
53	12/03/2020	273,600.00	873.00	74,856,960,000.00	762,129.00	238,852,800.00
54	15/03/2020	172,800.00	516.00	29,859,840,000.00	266,256.00	89,164,800.00
55	17/03/2020	100,800.00	309.00	10,160,640,000.00	95,481.00	31,147,200.00
56	19/03/2020	115,200.00	398.00	13,271,040,000.00	158,404.00	45,849,600.00
57	20/03/2020	43,200.00	126.00	1,866,240,000.00	15,876.00	5,443,200.00
58	21/03/2020	28,800.00	96.00	829,440,000.00	9,216.00	2,764,800.00
59	22/03/2020	118,800.00	360.00	14,113,440,000.00	129,600.00	42,768,000.00
60	23/03/2020	86,400.00	269.00	7,464,960,000.00	72,361.00	23,241,600.00
61	24/03/2020	28,800.00	96.00	829,440,000.00	9,216.00	2,764,800.00
62	27/03/2020	129,600.00	418.00	16,796,160,000.00	174,724.00	54,172,800.00
63	28/03/2020	129,600.00	432.00	16,796,160,000.00	186,624.00	55,987,200.00
64	29/03/2020	84,960.00	288.00	7,218,201,600.00	82,944.00	24,468,480.00
65	30/03/2020	64,800.00	204.00	4,199,040,000.00	41,616.00	13,219,200.00
66	31/03/2020	28,800.00	96.00	829,440,000.00	9,216.00	2,764,800.00
67	01/04/2020	93,600.00	321.00	8,760,960,000.00	103,041.00	30,045,600.00
68	02/04/2020	153,600.00	512.00	23,592,960,000.00	262,144.00	78,643,200.00
69	03/04/2020	100,800.00	432.00	10,160,640,000.00	186,624.00	43,545,600.00
70	04/04/2020	64,800.00	222.00	4,199,040,000.00	49,284.00	14,385,600.00
71	05/04/2020	115,200.00	384.00	13,271,040,000.00	147,456.00	44,236,800.00
72	06/04/2020	28,800.00	96.00	829,440,000.00	9,216.00	2,764,800.00
73	08/04/2020	79,200.00	271.00	6,272,640,000.00	73,441.00	21,463,200.00
74	09/04/2020	57,600.00	192.00	3,317,760,000.00	36,864.00	11,059,200.00
75	10/04/2020	50,400.00	168.00	2,540,160,000.00	28,224.00	8,467,200.00
76	11/04/2020	28,800.00	103.00	829,440,000.00	10,609.00	2,966,400.00
77	13/04/2020	28,800.00	96.00	829,440,000.00	9,216.00	2,764,800.00
78	14/04/2020	28,800.00	92.00	829,440,000.00	8,464.00	2,649,600.00
79	16/04/2020	43,200.00	144.00	1,866,240,000.00	20,736.00	6,220,800.00
80	17/04/2020	28,800.00	96.00	829,440,000.00	9,216.00	2,764,800.00
81	18/04/2020	28,800.00	96.00	829,440,000.00	9,216.00	2,764,800.00
82	19/04/2020	32,400.00	116.00	1,049,760,000.00	13,456.00	3,758,400.00
83	20/04/2020	28,800.00	108.00	829,440,000.00	11,664.00	3,110,400.00
84	21/04/2020	72,000.00	240.00	5,184,000,000.00	57,600.00	17,280,000.00
85	22/04/2020	28,800.00	96.00	829,440,000.00	9,216.00	2,764,800.00
86	23/04/2020	57,600.00	188.00	3,317,760,000.00	35,344.00	10,828,800.00
87	24/04/2020	259,200.00	834.00	67,184,640,000.00	695,556.00	216,172,800.00
88	25/04/2020	86,400.00	295.00	7,464,960,000.00	87,025.00	25,488,000.00
89	26/04/2020	90,000.00	314.00	8,100,000,000.00	98,596.00	28,260,000.00
90	27/04/2020	93,600.00	420.00	8,760,960,000.00	176,400.00	39,312,000.00
91	28/04/2020	100,800.00	351.00	10,160,640,000.00	123,201.00	35,380,800.00
92	29/04/2020	187,200.00	706.00	35,043,840,000.00	498,436.00	132,163,200.00
93	30/04/2020	57,600.00	240.00	3,317,760,000.00	57,600.00	13,824,000.00
94	01/05/2020	100,800.00	332.00	10,160,640,000.00	110,224.00	33,465,600.00
95	02/05/2020	115,200.00	388.00	13,271,040,000.00	150,544.00	44,697,600.00

Lampiran – 2.b: Analisis Hubungan Antara Kapasitas Pompa dengan Biaya Operasional Rumah Pompa Sengkarang

		X	Y	X ²	Y ²	XY
96	03/05/2020	72,000.00	258.00	5,184,000,000.00	66,564.00	18,576,000.00
97	04/05/2020	57,600.00	192.00	3,317,760,000.00	36,864.00	11,059,200.00
98	05/05/2020	28,800.00	108.00	829,440,000.00	11,664.00	3,110,400.00
99	06/05/2020	28,800.00	108.00	829,440,000.00	11,664.00	3,110,400.00
100	07/05/2020	64,800.00	187.00	4,199,040,000.00	34,969.00	12,117,600.00
101	08/05/2020	28,800.00	100.00	829,440,000.00	10,000.00	2,880,000.00
102	09/05/2020	72,000.00	252.00	5,184,000,000.00	63,504.00	18,144,000.00
103	11/05/2020	28,800.00	92.00	829,440,000.00	8,464.00	2,649,600.00
104	12/05/2020	57,600.00	184.00	3,317,760,000.00	33,856.00	10,598,400.00
105	13/05/2020	72,000.00	236.00	5,184,000,000.00	55,696.00	16,992,000.00
106	14/05/2020	28,800.00	109.00	829,440,000.00	11,881.00	3,139,200.00
107	15/05/2020	21,600.00	88.00	466,560,000.00	7,744.00	1,900,800.00
108	16/05/2020	21,600.00	81.00	466,560,000.00	6,561.00	1,749,600.00
109	17/05/2020	43,200.00	162.00	1,866,240,000.00	26,244.00	6,998,400.00
110	18/05/2020	43,200.00	162.00	1,866,240,000.00	26,244.00	6,998,400.00
111	19/05/2020	36,000.00	135.00	1,296,000,000.00	18,225.00	4,860,000.00
112	20/05/2020	28,800.00	162.00	829,440,000.00	26,244.00	4,665,600.00
113	21/05/2020	36,000.00	145.00	1,296,000,000.00	21,025.00	5,220,000.00
114	22/05/2020	43,200.00	179.00	1,866,240,000.00	32,041.00	7,732,800.00
115	23/05/2020	28,800.00	115.00	829,440,000.00	13,225.00	3,312,000.00
116	24/05/2020	28,800.00	115.00	829,440,000.00	13,225.00	3,312,000.00
117	25/05/2020	46,800.00	191.00	2,190,240,000.00	36,481.00	8,938,800.00
117	Σ	17,204,280.00	60,858.14	4,312,217,361,600.00	54,770,172.44	15,247,169,491.20

Rumus Pearson

$$a = \frac{(\sum y)(\sum x^2) - (\sum x)(\sum xy)}{n(\sum x^2) - (\sum x)^2}$$

$$a = 0.5608$$

$$b = \frac{n(\sum xy) - (\sum x)(\sum y)}{n(\sum x^2) - (\sum x)^2}$$

$$b = 0.0035$$

$$Y = a + bX$$

$$Y = 0.5608 + 0.0035.X$$

$$r = \frac{n \sum XY - \sum X \sum Y}{\sqrt{(n \sum X^2 - (\sum X)^2)(n \sum Y^2 - (\sum Y)^2)}}$$

$$r = 0.9812 \text{ --> sangat kuat}$$

Lampiran – 3.a: Analisis Hubungan Antara Volume Pemompaan dengan Konsumsi BBM
(Pada hari tanpa hujan)

	Volume Pemompaan (m3)	Konsumsi BBM (ltr)			
<i>n</i>	<i>X</i>	<i>Y</i>	<i>X</i> ²	<i>Y</i> ²	<i>XY</i>
1	62,176.50	252.00	3,865,917,152.25	63,504.00	15,668,478.00
2	75,066.75	787.00	5,635,016,955.56	619,369.00	59,077,532.25
3	104,638.50	827.00	10,949,215,682.25	683,929.00	86,536,039.50
4	251,739.00	1,542.00	63,372,524,121.00	2,377,764.00	388,181,538.00
5	71,275.50	544.00	5,080,196,900.25	295,936.00	38,773,872.00
6	119,803.50	836.00	14,352,878,612.25	698,896.00	100,155,726.00
7	78,099.75	494.00	6,099,570,950.06	244,036.00	38,581,276.50
8	63,693.00	199.00	4,056,798,249.00	39,601.00	12,674,907.00
9	147,858.75	736.00	21,862,209,951.56	541,696.00	108,824,040.00
10	54,594.00	172.00	2,980,504,836.00	29,584.00	9,390,168.00
11	90,990.00	464.00	8,279,180,100.00	215,296.00	42,219,360.00
12	112,979.25	736.00	12,764,310,930.56	541,696.00	83,152,728.00
13	73,550.25	376.00	5,409,639,275.06	141,376.00	27,654,894.00
14	77,341.50	412.00	5,981,707,622.25	169,744.00	31,864,698.00
15	69,759.00	596.00	4,866,318,081.00	355,216.00	41,576,364.00
16	118,287.00	580.00	13,991,814,369.00	336,400.00	68,606,460.00
17	47,769.75	250.00	2,281,949,015.06	62,500.00	11,942,437.50
18	69,000.75	387.00	4,761,103,500.56	149,769.00	26,703,290.25
19	50,802.75	233.00	2,580,919,407.56	54,289.00	11,837,040.75
20	27,297.00	65.00	745,126,209.00	4,225.00	1,774,305.00
21	36,396.00	96.00	1,324,668,816.00	9,216.00	3,494,016.00
22	26,538.75	127.00	704,305,251.56	16,129.00	3,370,421.25
23	37,912.50	96.00	1,437,357,656.25	9,216.00	3,639,600.00
24	20,472.75	131.00	419,133,492.56	17,161.00	2,681,930.25
25	56,110.50	116.00	3,148,388,210.25	13,456.00	6,508,818.00
26	28,813.50	173.00	830,217,782.25	29,929.00	4,984,735.50
27	68,242.50	240.00	4,657,038,806.25	57,600.00	16,378,200.00
28	69,759.00	638.00	4,866,318,081.00	407,044.00	44,506,242.00
29	90,231.75	1,232.00	8,141,768,708.06	1,517,824.00	111,165,516.00
30	86,440.50	700.00	7,471,960,040.25	490,000.00	60,508,350.00
31	72,033.75	845.00	5,188,861,139.06	714,025.00	60,868,518.75
32	76,583.25	590.00	5,864,994,180.56	348,100.00	45,184,117.50
33	138,759.75	1,246.00	19,254,268,220.06	1,552,516.00	172,894,648.50
34	96,297.75	548.00	9,273,256,655.06	300,304.00	52,771,167.00
35	34,121.25	332.00	1,164,259,701.56	110,224.00	11,328,255.00
36	62,934.75	523.00	3,960,782,757.56	273,529.00	32,914,874.25
37	71,275.50	493.00	5,080,196,900.25	243,049.00	35,138,821.50
38	75,066.75	422.00	5,635,016,955.56	178,084.00	31,678,168.50
39	30,330.00	193.00	919,908,900.00	37,249.00	5,853,690.00
40	44,736.75	399.00	2,001,376,800.56	159,201.00	17,849,963.25

Lampiran – 3.a: Analisis Hubungan Antara Volume Pemompaan dengan Konsumsi BBM
(Pada hari tanpa hujan)

41	56,868.75	287.00	3,234,054,726.56	82,369.00	16,321,331.25
42	43,978.50	284.00	1,934,108,462.25	80,656.00	12,489,894.00
43	29,571.75	222.00	874,488,398.06	49,284.00	6,564,928.50
44	34,879.50	316.00	1,216,579,520.25	99,856.00	11,021,922.00
45	50,044.50	488.00	2,504,451,980.25	238,144.00	24,421,716.00
46	65,209.50	445.00	4,252,278,890.25	198,025.00	29,018,227.50
47	38,670.75	288.00	1,495,426,905.56	82,944.00	11,137,176.00
48	40,187.25	181.00	1,615,015,062.56	32,761.00	7,273,892.25
49	52,319.25	415.00	2,737,303,920.56	172,225.00	21,712,488.75
50	59,901.75	340.00	3,588,219,653.06	115,600.00	20,366,595.00
51	54,594.00	359.00	2,980,504,836.00	128,881.00	19,599,246.00
52	62,176.50	528.00	3,865,917,152.25	278,784.00	32,829,192.00
53	62,934.75	744.00	3,960,782,757.56	553,536.00	46,823,454.00
54	47,011.50	250.00	2,210,081,132.25	62,500.00	11,752,875.00
55	48,528.00	255.00	2,354,966,784.00	65,025.00	12,374,640.00
56	50,044.50	392.00	2,504,451,980.25	153,664.00	19,617,444.00
56	3,786,700.50	25,422.00	332,589,613,136.63	16,502,936.00	2,232,240,230.25

$$a = \frac{(\sum y)(\sum x^2) - (\sum x)(\sum xy)}{n(\sum x^2) - (\sum x)^2}$$

$$a = 0.5292$$

$$b = \frac{n(\sum xy) - (\sum x)(\sum y)}{n(\sum x^2) - (\sum x)^2}$$

$$b = 0.0067$$

$$Y = a + bX$$

$$Y = 0.5292 + 0.0067.X$$

$$r = \frac{n\sum XY - \sum X \sum Y}{\sqrt{(n\sum X^2 - (\sum X)^2)(n\sum Y^2 - (\sum Y)^2)}}$$

$$r = 0.8328 \text{ --> sangat kuat}$$

Lampiran – 3.b: Analisis Hubungan Antara Volume Pemompaan dengan Konsumsi BBM
(Pada hari hujan)

NO	TANGGAL	JUMLAH VOLUME PEMOMPAAN (m3)	KONSUMSI BBM (lt)			
		X	Y	X2	Y2	XY
1	14/01/2020	298,670.29	1,103.00	89,203,944,398.10	1,216,609.00	329,433,334.06
2	15/01/2020	255,746.19	1,547.00	65,406,115,768.92	2,393,209.00	395,639,362.19
3	16/01/2020	303,173.07	1,547.00	91,913,908,283.64	2,393,209.00	469,008,733.96
4	17/01/2020	259,137.86	1,405.00	67,152,429,610.60	1,974,025.00	364,088,690.93
5	19/01/2020	78,943.83	252.00	6,232,128,747.19	63,504.00	19,893,845.88
6	21/01/2020	94,878.52	508.50	9,001,932,666.36	258,572.25	48,245,725.03
7	22/01/2020	56,207.77	118.00	3,159,312,880.51	13,924.00	6,632,516.31
8	23/01/2020	60,757.27	354.00	3,691,445,287.27	125,316.00	21,508,071.92
9	25/01/2020	163,432.86	1,200.00	26,710,300,632.44	1,440,000.00	196,119,435.32
10	26/01/2020	395,580.31	2,149.00	156,483,778,720.56	4,618,201.00	850,102,078.21
11	27/01/2020	389,557.22	1,638.00	151,754,829,770.84	2,683,044.00	638,094,730.81
12	28/01/2020	334,155.89	1,525.00	111,660,156,216.84	2,325,625.00	509,587,726.31
13	02/02/2020	114,698.90	827.00	13,155,837,596.55	683,929.00	94,855,990.07
14	04/02/2020	58,722.87	294.00	3,448,374,901.28	86,436.00	17,264,522.38
15	10/02/2020	406,836.83	1,542.00	165,516,205,421.07	2,377,764.00	627,342,390.30
16	17/02/2020	41,394.72	360.00	1,713,522,501.80	129,600.00	14,902,097.71
17	18/02/2020	83,993.09	399.00	7,054,838,628.62	159,201.00	33,513,241.63
18	20/02/2020	302,257.40	2,863.00	91,359,533,798.71	8,196,769.00	865,362,926.46
19	21/02/2020	299,574.44	2,743.00	89,744,846,153.27	7,524,049.00	821,732,693.74
20	22/02/2020	259,690.51	2,348.00	67,439,160,811.25	5,513,104.00	609,753,316.70
21	14/03/2020	71,275.50	544.00	5,080,196,900.25	295,936.00	38,773,872.00
22	15/03/2020	119,803.50	836.00	14,352,878,612.25	698,896.00	100,155,726.00
23	16/03/2020	200,020.58	686.00	40,008,232,441.55	470,596.00	137,214,117.91
24	17/03/2020	206,887.75	746.00	42,802,539,642.26	556,516.00	154,338,258.87
25	18/03/2020	203,854.75	494.00	41,556,757,661.13	244,036.00	100,704,244.76
26	19/03/2020	148,598.85	750.00	22,081,619,367.50	562,500.00	111,449,140.39
27	20/03/2020	75,452.54	361.00	5,693,086,384.57	130,321.00	27,238,368.36
28	21/03/2020	78,783.60	199.00	6,206,855,562.34	39,601.00	15,677,936.32
29	22/03/2020	160,727.04	685.00	25,833,182,365.35	469,225.00	110,098,024.48
30	23/03/2020	189,637.35	736.00	35,962,326,178.17	541,696.00	139,573,092.83
31	24/03/2020	91,482.13	172.00	8,368,980,530.13	29,584.00	15,734,926.76
32	25/03/2020	106,360.06	464.00	11,312,461,326.18	215,296.00	49,351,065.58
33	27/03/2020	137,372.00	793.00	18,871,066,190.41	628,849.00	108,935,995.44
34	28/03/2020	138,130.25	736.00	19,079,965,770.40	541,696.00	101,663,863.48
35	29/03/2020	98,701.25	376.00	9,741,936,612.47	141,376.00	37,111,669.74
36	30/03/2020	87,821.08	412.00	7,712,542,626.27	169,744.00	36,182,286.21
37	31/03/2020	64,376.85	241.00	4,144,378,761.49	58,081.00	15,514,820.75
38	01/04/2020	71,521.57	461.00	5,115,334,424.54	212,521.00	32,971,442.00
39	02/04/2020	240,785.80	722.00	57,977,799,174.18	521,284.00	173,847,344.14
40	03/04/2020	242,598.45	1,292.00	58,854,005,737.23	1,669,264.00	313,437,191.53
41	04/04/2020	223,739.01	596.00	50,059,143,162.59	355,216.00	133,348,448.05
42	05/04/2020	181,863.14	580.00	33,074,200,638.66	336,400.00	105,480,619.52
43	06/04/2020	56,751.43	306.00	3,220,725,164.06	93,636.00	17,365,938.54
44	07/04/2020	54,476.68	250.00	2,967,709,006.53	62,500.00	13,619,170.79
45	08/04/2020	75,707.68	387.00	5,731,653,287.25	149,769.00	29,298,873.38
46	09/04/2020	43,622.74	192.00	1,902,943,324.94	36,864.00	8,375,565.82
47	10/04/2020	57,509.68	212.00	3,307,363,655.49	44,944.00	12,192,052.83
48	12/04/2020	28,180.19	65.00	794,123,022.87	4,225.00	1,831,712.25
49	13/04/2020	29,935.13	96.00	896,112,188.00	9,216.00	2,873,772.77
50	14/04/2020	31,429.22	127.00	987,796,000.88	16,129.00	3,991,511.20
51	16/04/2020	43,861.18	179.00	1,923,803,386.92	32,041.00	7,851,151.78
52	17/04/2020	25,663.18	96.00	658,598,969.16	9,216.00	2,463,665.58
53	18/04/2020	27,058.56	161.00	732,165,424.52	25,921.00	4,356,427.43
54	19/04/2020	28,055.25	116.00	787,097,052.56	13,456.00	3,254,409.00

Lampiran – 3.b: Analisis Hubungan Antara Volume Pemompaan dengan Konsumsi BBM
(Pada hari hujan)

		X	Y	X ²	Y ²	XY
55	22/04/2020	166,454.43	494.00	27,707,077,375.45	244,036.00	82,228,488.58
56	23/04/2020	181,619.43	593.00	32,985,617,472.26	351,649.00	107,700,322.18
57	24/04/2020	189,201.93	1,259.00	35,797,370,439.42	1,585,081.00	238,205,230.28
58	25/04/2020	125,087.39	630.00	15,646,854,545.65	396,900.00	78,805,054.21
59	26/04/2020	79,498.93	553.00	6,320,080,371.26	305,809.00	43,962,910.03
60	27/04/2020	79,498.93	697.00	6,320,080,371.26	485,809.00	55,410,756.40
61	28/04/2020	108,312.43	891.00	11,731,583,173.88	793,881.00	96,506,377.93
62	29/04/2020	122,598.06	1,014.00	15,030,283,206.81	1,028,196.00	124,314,428.25
63	30/04/2020	86,440.50	375.00	7,471,960,040.25	140,625.00	32,415,187.50
64	01/05/2020	75,825.00	567.00	5,749,430,625.00	321,489.00	42,992,775.00
65	02/05/2020	81,132.75	618.00	6,582,523,122.56	381,924.00	50,140,039.50
66	03/05/2020	44,736.75	343.00	2,001,376,800.56	117,649.00	15,344,705.25
67	05/05/2020	37,154.25	208.00	1,380,438,293.06	43,264.00	7,728,084.00
68	06/05/2020	38,670.75	292.00	1,495,426,905.56	85,264.00	11,291,859.00
69	07/05/2020	51,561.00	317.00	2,658,536,721.00	100,489.00	16,344,837.00
70	09/05/2020	167,126.85	452.00	27,931,383,143.02	204,304.00	75,541,335.05
71	10/05/2020	184,589.46	291.00	34,073,269,608.78	84,681.00	53,715,533.54
72	11/05/2020	192,171.96	344.00	36,930,063,111.49	118,336.00	66,107,155.05
73	12/05/2020	117,365.61	184.00	13,774,687,308.43	33,856.00	21,595,272.94
74	13/05/2020	96,307.28	572.00	9,275,091,609.70	327,184.00	55,087,762.46
75	14/05/2020	53,077.50	309.00	2,817,221,006.25	95,481.00	16,400,947.50
76	15/05/2020	28,813.50	188.00	830,217,782.25	35,344.00	5,416,938.00
77	17/05/2020	62,934.75	340.00	3,960,782,757.56	115,600.00	21,397,815.00
78	18/05/2020	50,802.75	386.00	2,580,919,407.56	148,996.00	19,609,861.50
79	19/05/2020	65,092.18	310.00	4,236,992,306.64	96,100.00	20,178,576.78
80	20/05/2020	68,883.43	528.00	4,744,927,361.90	278,784.00	36,370,452.70
81	21/05/2020	80,065.47	329.00	6,410,478,824.67	108,241.00	26,341,538.27
82	23/05/2020	68,809.03	250.00	4,734,682,984.23	62,500.00	17,202,258.18
83	24/05/2020	57,610.31	255.00	3,318,947,276.89	65,025.00	14,690,627.85
84	25/05/2020	50,044.50	392.00	2,504,451,980.25	153,664.00	19,617,444.00
84	Σ	10,710,940.90	53,772.50	2,106,604,939,282.53	61,872,802.25	10,572,022,710.34

Rumus Pearson

$$a = \frac{(\sum Y)(\sum X^2) - (\sum X)(\sum XY)}{n(\sum X^2) - (\sum X)^2}$$

$$a = 0.6605$$

$$b = \frac{n(\sum XY) - (\sum X)(\sum Y)}{n(\sum X^2) - (\sum X)^2}$$

$$b = 0.0050$$

$$Y = a + bX$$

$$Y = 0.6605 + 0.0050 \cdot X$$

$$r = \frac{n \sum XY - \sum X \sum Y}{\sqrt{(n \sum X^2 - (\sum X)^2)(n \sum Y^2 - (\sum Y)^2)}}$$

$$r = 0.8239 \text{ --> sangat kuat}$$

Lampiran – 4.a: Simulasi Pemakaian Power dengan Listrik dan BBM (Rumah Pompa Silempeng)

NO.	JAM OPERASI (UNIT.JAM)	KONSUMSI BBM (lt)	BIAYA BBM(Rp)	BIAYA LISTRIK (Rp)
	Y		X1	X2
1	24.00	786.00	7,426,465.98	3,977,395.20
2	16.00	624.00	5,895,820.32	2,651,596.80
3	30.00	1,128.00	10,657,829.04	4,971,744.00
4	36.00	1,253.00	11,838,882.79	5,966,092.80
5	22.00	820.00	7,747,712.60	3,645,945.60
6	18.00	515.00	4,865,941.45	2,983,046.40
7	14.00	422.00	3,987,237.46	2,320,147.20
8	8.00	308.00	2,910,116.44	1,325,798.40
9	25.00	715.00	6,755,627.45	4,143,120.00
10	40.00	1,226.00	11,583,775.18	6,628,992.00
11	12.00	404.00	3,817,165.72	1,988,697.60
12	27.00	850.00	8,031,165.50	4,474,569.60
13	8.00	300.00	2,834,529.00	1,325,798.40
14	6.00	148.00	1,398,367.64	994,348.80
15	6.00	390.00	3,684,887.70	994,348.80
16	8.00	294.00	2,777,838.42	1,325,798.40
17	10.00	322.00	3,042,394.46	1,657,248.00
18	26.00	808.00	7,634,331.44	4,308,844.80
19	23.00	668.00	6,311,551.24	3,811,670.40
20	28.00	1,062.00	10,034,232.66	4,640,294.40
21	14.00	449.00	4,242,345.07	2,320,147.20
22	38.00	1,212.00	11,451,497.16	6,297,542.40
23	32.00	967.00	9,136,631.81	5,303,193.60
24	27.00	834.00	7,879,990.62	4,474,569.60
25	41.00	1,251.00	11,819,985.93	6,794,716.80
26	40.00	1,154.00	10,903,488.22	6,628,992.00
27	38.00	1,170.00	11,054,663.10	6,297,542.40
28	20.00	717.00	6,774,524.31	3,314,496.00
29	12.50	454.00	4,289,587.22	2,071,560.00
30	12.67	320.00	3,023,497.60	2,099,180.80
31	7.00	248.00	2,343,210.64	1,160,073.60
32	10.50	437.00	4,128,963.91	1,740,110.40
33	7.50	155.00	1,464,506.65	1,242,936.00
34	8.00	352.00	3,325,847.36	1,325,798.40
35	5.00	235.00	2,220,381.05	828,624.00
36	6.00	103.00	973,188.29	994,348.80
37	7.67	325.00	3,070,739.75	1,270,556.80
38	3.00	76.00	718,080.68	497,174.40
39	5.50	224.00	2,116,448.32	911,486.40
40	8.00	302.00	2,853,425.86	1,325,798.40
41	13.00	375.00	3,543,161.25	2,154,422.40
42	8.00	304.00	2,872,322.72	1,325,798.40
43	4.00	88.00	831,461.84	662,899.20
44	7.00	208.00	1,965,273.44	1,160,073.60
45	3.00	145.00	1,370,022.35	497,174.40
46	5.00	140.00	1,322,780.20	828,624.00

Lampiran – 4.a: Simulasi Pemakaian Power dengan Listrik dan BBM (Rumah Pompa Silempeng)

	Y		X1	X2
47	8.00	210.00	1,984,170.30	1,325,798.40
48	22.00	860.00	8,125,649.80	3,645,945.60
49	13.00	374.00	3,533,712.82	2,154,422.40
50	10.00	196.00	1,851,892.28	1,657,248.00
51	7.00	210.00	1,984,170.30	1,160,073.60
52	2.00	130.00	1,228,295.90	331,449.60
53	3.00	116.00	1,096,017.88	497,174.40
54	2.00	44.00	415,730.92	331,449.60
55	2.00	65.00	614,147.95	331,449.60
56	2.00	35.00	330,695.05	331,449.60
57	2.00	35.00	330,695.05	331,449.60
58	2.00	65.00	614,147.95	331,449.60
59	9.50	450.00	4,251,793.50	1,574,385.60
60	16.00	487.00	4,601,385.41	2,651,596.80
61	12.50	398.00	3,760,475.14	2,071,560.00
62	13.50	405.00	3,826,614.15	2,237,284.80
63	8.00	425.00	4,015,582.75	1,325,798.40
64	12.00	335.00	3,165,224.05	1,988,697.60
65	8.00	239.00	2,258,174.77	1,325,798.40
66	11.00	277.00	2,617,215.11	1,822,972.80
67	13.00	540.00	5,102,152.20	2,154,422.40
68	9.33	308.00	2,910,116.44	1,546,764.80
69	5.00	135.00	1,275,538.05	828,624.00
70	5.00	235.00	2,220,381.05	828,624.00
71	5.80	230.00	2,173,138.90	961,203.84
72	3.00	85.00	803,116.55	497,174.40
73	6.00	291.00	2,749,493.13	994,348.80
74	3.00	100.00	944,843.00	497,174.40
75	4.50	184.00	1,738,511.12	745,761.60
76	3.00	130.00	1,228,295.90	497,174.40
77	12.00	550.00	5,196,636.50	1,988,697.60
78	6.00	200.00	1,889,686.00	994,348.80
79	3.00	132.00	1,247,192.76	497,174.40
80	6.50	252.00	2,381,004.36	1,077,211.20
81	8.67	336.00	3,174,672.48	1,436,281.60
82	5.00	200.00	1,889,686.00	828,624.00
83	4.00	100.00	944,843.00	662,899.20
84	4.00	253.00	2,390,452.79	662,899.20
85	6.00	178.00	1,681,820.54	994,348.80
86	6.00	224.00	2,116,448.32	994,348.80
87	5.00	175.00	1,653,475.25	828,624.00
88	6.00	366.00	3,458,125.38	994,348.80
89	4.00	184.00	1,738,511.12	662,899.20
90	4.00	135.00	1,275,538.05	662,899.20
91	4.00	140.00	1,322,780.20	662,899.20
92	6.00	201.00	1,899,134.43	994,348.80

Lampiran – 4.b: Simulasi Pemakaian Power dengan Listrik dan BBM (Rumah Pompa Sengkarang)

NO.	JAM OPERASI (UNIT.JAM)	KONSUMSI BBM (lt)	BIAYA BBM(Rp)	BIAYA LISTRIK (Rp)
	Y		X1	X2
1	40.00	1,026.00	9,694,089.18	8,286,240.00
2	26.50	603.00	5,697,403.29	5,489,634.00
3	3.00	66.00	623,596.38	621,468.00
4	31.00	628.00	5,933,614.04	6,421,836.00
5	26.67	479.00	4,525,797.97	5,524,160.00
6	14.00	388.00	3,665,990.84	2,900,184.00
7	19.00	419.00	3,958,892.17	3,935,964.00
8	7.00	152.00	1,436,161.36	1,450,092.00
9	5.50	108.00	1,020,430.44	1,139,358.00
10	10.62	187.00	1,766,856.41	2,199,306.20
11	11.00	272.00	2,569,972.96	2,278,716.00
12	4.67	86.50	817,289.20	966,728.00
13	2.00	46.00	434,627.78	414,312.00
14	12.25	266.00	2,513,282.38	2,537,661.00
15	18.00	485.00	4,582,488.55	3,728,808.00
16	39.50	923.00	8,720,900.89	8,182,662.00
17	58.50	1,234.00	11,659,362.62	12,118,626.00
18	25.00	675.00	6,377,690.25	5,178,900.00
19	41.58	1,112.80	10,514,212.90	8,614,237.00
20	37.00	894.70	8,453,510.32	7,664,772.00
21	16.83	417.00	3,939,995.31	3,487,126.00
22	20.33	481.00	4,544,694.83	4,212,172.00
23	15.75	385.00	3,637,645.55	3,262,707.00
24	34.50	827.40	7,817,630.98	7,146,882.00
25	37.50	960.00	9,070,492.80	7,768,350.00
26	30.00	729.00	6,887,905.47	6,214,680.00
27	52.50	1,258.00	11,886,124.94	10,875,690.00
28	54.50	1,283.00	12,122,335.69	11,290,002.00
29	25.50	708.00	6,689,488.44	5,282,478.00
30	38.75	897.80	8,482,800.45	8,027,295.00
31	36.00	782.80	7,396,231.00	7,457,616.00
32	24.08	577.20	5,453,633.80	4,989,007.00
33	24.00	632.00	5,971,407.76	4,971,744.00
34	19.00	456.00	4,308,484.08	3,935,964.00
35	23.13	450.30	4,254,628.03	4,792,208.80
36	15.00	360.00	3,401,434.80	3,107,340.00
37	16.83	399.00	3,769,923.57	3,487,126.00
38	49.67	1,197.60	11,315,439.77	10,288,748.00
39	92.95	2,042.00	19,293,694.06	19,255,150.20
40	63.00	1,734.00	16,383,577.62	13,050,828.00
41	53.50	1,493.00	14,106,505.99	11,082,846.00
42	42.00	1,200.00	11,338,116.00	8,700,552.00
46	31.48	957.84	9,050,084.19	6,521,961.40
48	40.00	1,206.00	11,394,806.58	8,286,240.00
50	44.00	1,294.00	12,226,268.42	9,114,864.00

Lampiran – 4.b: Simulasi Pemakaian Power dengan Listrik dan BBM (Rumah Pompa Sengkarang)

	Y		X1	X2
51	39.67	1,104.00	10,431,066.72	8,217,188.00
52	36.00	972.00	9,183,873.96	7,457,616.00
53	39.00	984.00	9,297,255.12	8,079,084.00
54	34.00	963.00	9,098,838.09	7,043,304.00
55	44.00	1,008.00	9,524,017.44	9,114,864.00
56	41.00	960.00	9,070,492.80	8,493,396.00
57	27.00	636.00	6,009,201.48	5,593,212.00
58	41.00	948.00	8,957,111.64	8,493,396.00
59	39.67	960.00	9,070,492.80	8,217,188.00
60	38.00	873.00	8,248,479.39	7,871,928.00
61	39.00	735.00	6,944,596.05	8,079,084.00
62	18.00	369.00	3,486,470.67	3,728,808.00
63	24.00	516.00	4,875,389.88	4,971,744.00
64	23.00	438.00	4,138,412.34	4,764,588.00
65	14.00	309.00	2,919,564.87	2,900,184.00
66	16.67	339.00	3,203,017.77	3,452,600.00
67	16.00	398.00	3,760,475.14	3,314,496.00
68	6.00	126.00	1,190,502.18	1,242,936.00
69	4.00	96.00	907,049.28	828,624.00
70	16.50	360.00	3,401,434.80	3,418,074.00
71	12.00	269.00	2,541,627.67	2,485,872.00
72	4.00	96.00	907,049.28	828,624.00
74	21.33	420.00	3,968,340.60	4,419,328.00
75	18.00	418.00	3,949,443.74	3,728,808.00
76	18.00	432.00	4,081,721.76	3,728,808.00
77	11.80	288.00	2,721,147.84	2,444,440.80
78	9.00	204.00	1,927,479.72	1,864,404.00
79	4.00	96.00	907,049.28	828,624.00
80	13.00	321.00	3,032,946.03	2,693,028.00
81	21.33	512.00	4,837,596.16	4,419,328.00
82	14.00	432.00	4,081,721.76	2,900,184.00
83	9.00	222.00	2,097,551.46	1,864,404.00
84	16.00	384.00	3,628,197.12	3,314,496.00
85	4.00	96.00	907,049.28	828,624.00
86	7.00	120.00	1,133,811.60	1,450,092.00
87	11.00	271.00	2,560,524.53	2,278,716.00
88	8.00	192.00	1,814,098.56	1,657,248.00
89	7.00	168.00	1,587,336.24	1,450,092.00
90	4.00	103.00	973,188.29	828,624.00
91	4.00	96.00	907,049.28	828,624.00
92	4.00	92.00	869,255.56	828,624.00
93	6.00	144.00	1,360,573.92	1,242,936.00
94	4.00	96.00	907,049.28	828,624.00
95	4.00	96.00	907,049.28	828,624.00
96	4.50	116.00	1,096,017.88	932,202.00
97	4.00	108.00	1,020,430.44	828,624.00
98	10.00	240.00	2,267,623.20	2,071,560.00
99	4.00	96.00	907,049.28	828,624.00
100	8.00	188.00	1,776,304.84	1,657,248.00

Lampiran – 4.b: Simulasi Pemakaian Power dengan Listrik dan BBM (Rumah Pompa Sengkarang)

	Y		X1	X2
101	36.00	834.00	7,879,990.62	7,457,616.00
102	12.00	295.00	2,787,286.85	2,485,872.00
103	12.50	314.00	2,966,807.02	2,589,450.00
104	13.00	420.00	3,968,340.60	2,693,028.00
105	14.00	351.00	3,316,398.93	2,900,184.00
106	26.00	706.00	6,670,591.58	5,386,056.00
107	8.00	240.00	2,267,623.20	1,657,248.00
108	14.00	332.00	3,136,878.76	2,900,184.00
109	16.00	388.00	3,665,990.84	3,314,496.00
110	10.00	258.00	2,437,694.94	2,071,560.00
111	8.00	192.00	1,814,098.56	1,657,248.00
112	4.00	108.00	1,020,430.44	828,624.00
113	4.00	108.00	1,020,430.44	828,624.00
114	9.00	187.00	1,766,856.41	1,864,404.00
115	4.00	100.00	944,843.00	828,624.00
116	10.00	252.00	2,381,004.36	2,071,560.00
117	8.00	159.00	1,502,300.37	1,657,248.00
118	4.00	92.00	869,255.56	828,624.00
119	8.00	184.00	1,738,511.12	1,657,248.00
120	10.00	236.00	2,229,829.48	2,071,560.00
121	4.00	109.00	1,029,878.87	828,624.00
122	3.00	88.00	831,461.84	621,468.00
123	3.00	81.00	765,322.83	621,468.00
124	6.00	162.00	1,530,645.66	1,242,936.00
125	6.00	162.00	1,530,645.66	1,242,936.00
126	5.00	135.00	1,275,538.05	1,035,780.00
127	4.00	162.00	1,530,645.66	828,624.00
128	5.00	145.00	1,370,022.35	1,035,780.00
129	6.00	179.00	1,691,268.97	1,242,936.00
130	4.00	115.00	1,086,569.45	828,624.00
131	4.00	115.00	1,086,569.45	828,624.00
132	6.50	191.00	1,804,650.13	1,346,514.00