### Daftar permasalah beserta kontrol permasalahannya

Daftar permasalahan beserta kontrol permasalahannya digunakan untuk melengkapi data proses Fuzzy FMEA, dimana data diambil dari perusahan CV.Agung Jaya Abadi menggunakan teknik *Fishbone* diagram, tabel ini menerangkan permasalahan beserta dampak yang akan di timbulkan jika tidak segera di perbaiki dan kontrol pencegahannya agar tidak terulang.

No	Permasalahan	Nama Permasalahan	Penyebab permasalahan	Dampak Permasalahan	Kontrol Permasalahan
1	IndorAC ruang	AC mengeluarkan air(bocor)	Saluran pembuangan air tersumbat karna kotoran	Mengakibatkan air menetes keluar	Service secara rutin satu bulan sekali.
2	Compressor AC ruang	Compressor cepat panas	Motor kipas outdoor mengalami kerusakan	Mengakibatkan angin yang di keluarkan AC tidak dingin	Ganti kapasitor kipas outdoor
3	Compressor AC ruang	Compressor tidak stabil	Oli compressor tidak bersih atau kapasitor mengalamai kerusakan	Mengakibatkan angin yang di keluarkan AC tidak dingin	Ganti Kapasitor
4	Compressor AC ruang	Compressor and mati	Compressor rusak atau compressor mengalami konsleting listrik	Mengakibatkan angin yang di keluarkan AC tidak dingin	Ganti compressor
5	Indoor AC ruang	Unit Indor mati	PCB tidak terkoneksi dengan baik	AC tidak menyala	Ganti pcb
6	Outdoor AC ruang	Unit outdor mati	Kabel termis bermasalah	AC tidak menyala	Mengganti kabel termis
7	Compressor AC ruang	Compressor mengeluarkan suara berderik	Piston di kompresor aus atau kekurangan oli compressor	Mengakibatkan angin yang di keluarkan AC tidak dingin	Ganti piston atau tambahkan oli compressornya
8	Compressor AC ruang	Compressor mati	Overload mengalami konsleting listrik	Mengakibatkan angin yang di keluarkan AC tidak dingin	Ganti overload
9	Indoor AC ruang	Swing macet	Gir motor swing sudah aus	Mengakibatkan angin yang di keluarkan AC tidak dapat menyebar secara merata	Ganti motor swing
10	Compressor	Kapasitor mati	Kerusakan pata	Lilitan motor	Ganti kapasitor

	AC ruang		kapasitor	akan terbakar karna terjadi arus pendek	RARAV
11	Indoor AC ruang	Evaporator beku	Putaran blower indoor pelan atau lemah	Jika di diamkan akan mengakibatkan kebocoran pada indoor	Cek kapasitor indoor,jika lemah ganti dengan yang baru
12	Indoor AC ruang	AC sering mati secara mendadak	Kabel termis tidak berfungsi	Jika di diamkan akan terjadi kerusakan pada compressor	Kabel termis diganti
13	Outdoor AC ruang	Kurang Freon	Ada kebocoran pada ac tersebut	Mengakibatkan angin yang di keluarkan AC tidak dingin	Service secara rutin satu bulan sekali.
14	Indoor AC ruang	Motor indoor lemah	kapasitor indoor sudah tidak bekerja secara normal	Mengakibatkan angin yang di keluarkan AC tidak dingin	Service secara rutin satu bulan sekali.
15	Outdoor AC ruang	Ada es pada pipa tembaga	Unit koil kipas kotor atau filter kotor dan blower unit dalam yang tidak berputar	Mengakibatkan angin yang di keluarkan AC tidak dingin	Service secara rutin satu bulan sekali
16	Indoor AC ruang	Perawatan kondensasi	Sirkulasi udara unit tidak terhambat	Memperpendek umur compressor dan meningkatkan beban listrik	Service secara rutin satu bulan sekali
17	Indoor AC ruang	AC menjadi sangat berisik	Blower atau koil yang sudah kotor	Mengganggu kenyamanan jika di biarkan angin yang di keluarkan AC menjadi tidak dingin	Service secara rutin satu bulan sekali
18	Indoor AC ruang	AC mengeluarkan bau tidak sedap	Evaporator yang sudah kotor	Mengganggu kenyamanan	Service secara rutin satu bulan sekali,jika sudah lama gunakan chemical treatment
19	Indoor AC ruang	AC mengeluarkan debu	Filter ac kotor	Mengakibatkan angin yang di keluarkan AC tidak dingin dan berdebu	Bersihkan filter ac secara rutin
20	Indoor AC ruang	AC hanya bisa di jalankan secara manual	Sensor di bagian komponen pcb terkena air atau rusak	Sulit menyalakan AC karna harus secara manual	Keringkan sensor yang ada di pcb jika terkena air atau diganti

# BRAWIJAYA

21	Outdoor AC ruang	Perawatan kondensor outdoor	Sirkulasi udara di dalam sistem ac agar tidak terhambat	Menyebabkan inefisiensi pendinginan dan umur compressor menjadi pendek	Serviece kondensor 1 tahun sekali
22	Compressor AC mobil	Compressor aus	Sudah lama digunakan	Mengakibatkan angin yang di keluarkan AC tidak dingin	Service rutin dan diganti
23	Compressor AC mobil	Sil Compressor bocor	Sudah lama digunakan	Mengakibatkan angin yang di keluarkan AC tidak dingin	Service rutin dan diganti
24	Compressor AC mobil	Kurang Freon	Selang karet bocor	Mengakibatkan angin yang di keluarkan AC tidak dingin	Service rutin dan diganti
-25	Compressor AC mobil	Sil body compressor bocor	Sudah lama digunakan	Mengakibatkan angin yang di keluarkan AC tidak dingin	Service rutin dan diganti
26	Evaporator AC mobil	Evaporator Kotor	Banyaknya debu yang menempel pada evaporator	Mengakibatkan angin yang di keluarkan AC tidak dingin	Service Rutin
27	Condensor AC mobil	Kurang Freon	Condensor mengalami kebocoran	Mengakibatkan angin yang di keluarkan AC tidak dingin	Service rutin dan diganti
28	Evaporator AC mobil	Kurang Freon	Evaporator mengalami kebocoran	Mengakibatkan angin yang di keluarkan AC tidak dingin	Service rutin dan diganti
29	Condensor AC mobil	Condensor cepat panas	Extrafan sebagai pendingin mengalami kerusakan	Jika di biarkan terus menerus Condensor akan rusak	Diperbaiki extrafan nya atau diganti
30	Evaporator AC mobil	Thermostat rusak	Thermostat tidak bekerja dengan baik sehingga compressor terus bekerja	Mengakibatkan angin yang di keluarkan AC tidak dingin secara maksimal dan compressor cepat aus	Service rutin atau diganti
31	Evaporator AC mobil	Blower mati	Blower mati bisa terjadi karna kotor	Mengakibatkan Angin tidak keluar	Service rutin
32	Compressor AC mobil	Compressor cepat panas	Oli compressor kurang banyak	Mengakibatkan compressor cepat aus,panas yang berlebihan dan akan merusak komponen dalam	Service Rutin dan mengganti oli compressor

# BRAWIJAYA

				compressor	
33	Compressor AC mobil	Oli compressor menempel di dinding evaporator dan condensor	Oli compressor terlalu berlebih	Mengakibatkan menurunnya kapasitas pendingin	Service rutin dan mengganti oli compressor
34	Compressor AC mobil	Magnetic clutch rusak	Magnetic clutch tidak tersalurkan arus listrik	Compressor tidak bekerja	Service Rutin
35	Evaporator AC mobil	Filter kotor	Banyaknya debu di filter evaporator	Mengakibatkan angin yang di keluarkan AC tidak dingin secara maksimal	Service rutin
36	Evaporator Ac mobil	Expansion mampet	Banyakanya kotoran di expansion	Mengakibatkan angin yang di keluarkan AC tidak dingin secara maksimal	Service rutin
37	Condensor AC mobil	Drayer mampet	Banyaknya kotoran di drayer	Mengakibatkan angin yang di keluarkan AC tidak dingin secara maksimal	Service rutin
38	Condensor AC mobil	Selenuid mampet	Banyaknya kotoran di selenuid	Mengakibatkan angin yang di keluarkan AC tidak dingin secara maksimal	Service rutin
39	Condensor AC mobil	Sikring putus	Arus listrik tidak stabil	Komponen AC tidak bekerja	Service rutin
40	Condensor AC mobil	Rile mati	Arus listrik yang bermasalah	Komponen AC tidak bekerja	Service rutin



### LAMPIRAN II

### RULE

## Rule digunakan untuk proses implikasi pada fuzzy mamdani.

NO	ATURAN
1	<i>IF</i> Severiy is very low and occurrence is very low and detection is very low then output is very low
2	IF Severiy is very low and occurrence is very low and detection is low then output is very low-low
3	IF Severiy is very low and occurrence is very low and detection is medium then output is low
4	IF Severiy is very low and occurrence is very low and detection is high then output is low-medium
5	<i>IF</i> Severily is very low and occurrence is very low and detection is very high then output is medium
6	<i>IF Severiy is very low and occurrence is low and detection is very low then output is very low-low</i>
7	IF Severiy is very low and occurrence is low and detection is low then output is low
8	IF Severiy is very low and occurrence is low and detection is medium then output is low-medium
9	IF Severiy is very low and occurrence is low and detection is high then output is medium
10	IF Severiy is very low and occurrence is low and detection is very high then output is medium-high
11	IF Severiy is very low and occurrence is medium and detection is very low then output is low
12	IF Severiy is very low and occurrence is medium and detection is low then output is low-medium
13	IF Severiy is very low and occurrence is medium and detection is medium then output is medium
14	IF Severiy is very low and occurrence is medium and detection is high then output is medium-high
15	IF Severiy is very low and occurrence is medium and detection is very high then output is high
16	IF Severiy is very low and occurrence is high and detection is very low then output is low-medium
17	IF Severiy is very low and occurrence is high and detection is low then output is medium
18	IF Severiy is very low and occurrence is high and detection is medium then output is medium-high
19	IF Severiy is very low and occurrence is high and detection is high then output is high
20	IF Severiy is very low and occurrence is high and detection is very high then output is high-very high
21	IF Severiy is very low and occurrence is very high and detection is very low then output is medium
22	IF Severiy is very low and occurrence is very high and detection is low then output is medium high
23	IF Severiy is very low and occurrence is very high and detection is medium then output is high
24	IF Severiy is very low and occurrence is very high and detection is high then output is high-very high
25	IF Severiy is very low and occurrence is very high and detection is very high then output is very high
26	IF Severiy is low and occurrence is very low and detection is very low then output is very low-low
27	IF Severiy is low and occurrence is very low and detection is low then output is low
28	IF Severiy is low and occurrence is very low and detection is medium then output is low-medium
29	IF Severiy is low and occurrence is very low and detection is high then output is medium
30	IF Severiy is low and occurrence is very low and detection is very high then output is medium-high
31	IF Severiy is low and occurrence is low and detection is very low then output is low
32	IF Severiy is low and occurrence is low and detection is low then output is low-medium
33	IF Severiy is low and occurrence is low and detection is medium then output is medium
34	IF Severiy is low and occurrence is low and detection is high then output is medium-high
35	IF Severiy is low and occurrence is low and detection is very high then output is high
36	IF Severiy is low and occurrence is medium and detection is very low then output is low-medium
37	IF Severiy is low and occurrence is medium and detection is low then output is medium
38	IF Severiy is low and occurrence is medium and detection is medium then output is medium-high
39	IF Severiy is low and occurrence is medium and detection is high then output is high
40	IF Severiy is low and occurrence is medium and detection is very high then output is high-very high
41	IF Severiy is low and occurrence is high and detection is very low then output is medium
42	IF Severiy is low and occurrence is high and detection is low then output is medium-high
43	IF Severiy is low and occurrence is high and detection is medium then output is high
44	IF Severty is low and occurrence is high and detection is high then output is high-very high
45	IF Severty is low and occurrence is high and detection is very high then output is very high
46	IF Severty is low and occurrence is very high and detection is very low then output is medium-high
47	IF Severty is low and occurrence is very high and detection is low then output is high
48	IF Severily is low and occurrence is very high and detection is medium then output is high-very high

49	IF Severiy is low and occurrence is very high and detection is high then output is very high
50	IF Severiy is low and occurrence is very high and detection is very high then output is very high
51	IF Severiy is medium and occurrence is very low and detection is very low then output is low
52	IF Severiy is medium and occurrence is very low and detection is low then output is low-medium
53	IF Severiy is medium and occurrence is very low and detection is medium then output is medium
54	IF Severiy is medium and occurrence is very low and detection is high then output is medium-high
55	IF Severiy is medium and occurrence is very low and detection is very high then output is high
56	IF Severiy is medium and occurrence is low and detection is very low then output is low-medium
57	IF Severiy is medium and occurrence is low and detection is low then output is medium
58	IF Severiy is medium and occurrence is low and detection is medium then output is medium-high
59	IF Severiy is medium and occurrence is low and detection is high then output is high
60	IF Severiy is medium and occurrence is low and detection is very high then output is high-very high
61	IF Severiy is medium and occurrence is medium and detection is very low then output is medium
62	IF Severiy is medium and occurrence is medium and detection is low then output is medium-high
63	IF Severiy is medium and occurrence is medium and detection is medium then output is high
64	IF Severiy is medium and occurrence is medium and detection is high then output is high-very high
65	IF Severiy is medium and occurrence is medium and detection is very high then output is very high
66	IF Severiy is medium and occurrence is high and detection is very low then output is medium-high
67	IF Severiy is medium and occurrence is high and detection is low then output is high
68	IF Severiy is medium and occurrence is high and detection is medium then output is high-very high
69	IF Severiy is medium and occurrence is high and detection is high then output is very high
70	IF Severiy is medium and occurrence is high and detection is very high then output is very high
71	IF Severiy is medium and occurrence is very high and detection is very low then output is high
72	IF Severiy is medium and occurrence is very high and detection is low then output is high-very high
73	IF Severiy is medium and occurrence is very high and detection is medium then output is very high
74	IF Severiy is medium and occurrence is very high and detection is high then output is very high
75	IF Severiy is medium and occurrence is very high and detection is very high then output is very high
76	IF Severiy is high and occurrence is very low and detection is very low then output is low-medium
77	IF Severiy is high and occurrence is very low and detection is low then output is medium
78	IF Severiy is high and occurrence is very low and detection is medium then output is medium-high
79	IF Severiy is high and occurrence is very low and detection is high then output is high
80	IF Severiy is high and occurrence is very low and detection is very high then output high-very high
81	IF Severiy is high and occurrence is low and detection is very low then output is medium
82	IF Severiy is high and occurrence is low and detection is low then output is medium-high
83	IF Severiy is high and occurrence is low and detection is medium then output is high
84	IF Severiy is high and occurrence is low and detection is high then output is high-very high
85	IF Severiy is high and occurrence is low and detection is very high then output is very high
86	IF Severiy is high and occurrence is medium and detection is very low then output is medium-high
87	IF Severiy is high and occurrence is medium and detection is low then output is high
88	IF Severiy is high and occurrence is medium and detection is medium then output is high-very high
89	IF Severiy is high and occurrence is medium and detection is high then output is very high
90	IF Severiy is high and occurrence is medium and detection is very high then output is very high
91	IF Severiy is high and occurrence is high and detection is very low then output is high
92	IF Severiy is high and occurrence is high and detection is low then output is high-very high
93	IF Severiy is high and occurrence is high and detection is medium then output is very high
94	IF Severily is high and occurrence is high and detection is high then output is very high
95	IF Severily is high and occurrence is high and detection is very high then output is very high
96	IF Severily is high and occurrence is very high and detection is very low then output is high-very high
9/	IF Severily is high and occurrence is very high and detection is low then output is very high
98	IF Severily is high and occurrence is very high and detection is medium then output is very high
99	IF Severily is high and occurrence is very high and detection is high then output is very high
100	IF Severily is high and occurrence is very high and detection is very high then output is very high
101	IF Severily is very high and occurrence is very low and detection is very low then output is medium
102	IF Severty is very high and occurrence is very low and detection is low then output is medium-high

103	IF Severiy is very high and occurrence is very low and detection is medium then output is high
104	IF Severiy is very high and occurrence is very low and detection is high then output is high-very high
105	IF Severiy is very high and occurrence is very low and detection is very high then output is very high
106	IF Severiy is very high and occurrence is low and detection is very low then output is medium-high
107	IF Severiy is very high and occurrence is low and detection is low then output is high
108	IF Severiy is very high and occurrence is low and detection is medium then output is high-very high
109	IF Severiy is very high and occurrence is low and detection is high then output is very high
110	IF Severiy is very high and occurrence is low and detection is very high then output is very high
111	IF Severiy is very high and occurrence is medium and detection is very low then output is high
112	IF Severiy is very high and occurrence is medium and detection is low then output is high-very high
113	IF Severiy is very high and occurrence is medium and detection is mediumthen output is very high
114	IF Severiy is very high and occurrence is medium and detection is high then output is very high
115	IF Severiy is very high and occurrence is medium and detection is very high then output is very high
116	IF Severiy is very high and occurrence is high and detection is very low then output is high-very high
117	IF Severiy is very high and occurrence is high and detection is low then output is very high
118	IF Severiy is very high and occurrence is high and detection is medium then output is very high
119	IF Severiy is very high and occurrence is high and detection is high then output is very high
120	IF Severiy is very high and occurrence is high and detection is very high then output is very high
121	IF Severiy is very high and occurrence is very high and detection is very low then output is very high
122	IF Severiy is very high and occurrence is very high and detection is low then output is very high
123	IF Severiy is very high and occurrence is very high and detection is medium then output is very high
124	IF Severiy is very high and occurrence is very high and detection is high then output is very high
125	IF Severiy is very high and occurrence is very high and detection is very high then output is very high



### LAMPIRAN III

Hasil Perhitungan Pakar A menggunakan aplikasi Fuzzy FMEA :

NO	Nama Kerusakan	Detail Kerusakan	S	0	D	RPN
NO	Ivalita Kerusakan	1. Evaporator Beku	8.5	4.5	8.5	916.66
		2 Unit Indoor Mati	8.5	5.5	6	841.66
	BRARAW	3 Perawatan Kondensi	6	8.5	4	691.66
		4 AC Mati	7	4.5	6.5	687 49
TP.		5 Thermistor rusak	75	6	5	625
3		6 Motor indoor mati	6	5	4	550
		7 AC dijalankan secara	0	5		550
1	Indoor AC Ruang	manual	5	5	3.5	499.99
		8. AC mengeluarkan air	5.5	4.5	1	250
		9. Indoor AC berisik	5.5	3	1	233.33
		10.Swing Macet	3.5	3	1	212.5
$\nabla \mathbf{b}$		11.Filter AC kotor	2.5	3	1	172.22
		12. Indoor AC mengeluarkan			-	
		bau tidak sedap	1.5	1	1	55.55
		1. Unit outdoor mati	8	8.5	7	883.33
		2. Running capasitor rusak	7.5	6.5	6.5	733.33
	Outdoor AC Ruang	3. Perawatan kondensor				((0.74
2		outdoor	5	6.5	6.5	668.74
		4. Ada es pada pipa tembaga	3	2	3	275
		5. Fan kapasitor rusak	27	3	3	250
		6. Kurang Freon	3	1	2	172.22
		1. Compressor mati (overload)	8	8	8.5	916.66
		2. Compressor mati	8	8	8	883.33
		3. Compressor cepat panas	7	8	7	841.6
3		4. Compressor tidak stabil	7	7.5	7	841
		5. Kapasitor mati	7	6.5	7	768.75
		6. Compressor mengeluarkan	6	6.5	7.5	733
		suara berderik				
		1. Compressor aus	8	8.3	6.7	896.66
568		2. Oli compressor menempel di				
45		dinding evaporator dan	4.4	6.3	7.7	690
14		condenser				
$\mathbb{Z}\mathbb{N}$		3. Magnetic clutch rusak	4	5	7.7	638.33
4	Compressor AC Mahil	4. Sil Body Compressor bocor	4	5	7.5	625
4	Compressor AC Mobil	5. Sil Compressor bocor	7	4.5	5	622.22
		6. Compressor clutch selip	6.5	4.5	4.5	597.22
-111	AY TJA UP	7. Idle pully dan bearing rusak	4	4	4	550
	MINAL TUA	8. Compressor bunyi	3	3	3	- 330
		9. Compressor cepat penas	2	3	1	154.16
	RATIO	10 Kurang Freon	2	2	2	141.6
	C BRANNU	1. Thermostat Rusak	8	8	8.5	883.33
5	Evaporator AC Mobil	2. Kurang Freon	7	8	7	841.66
	ITAL TO BE	3. Blower Mati	7	6	6	622.22

		4. Evaporator Kotor	7	3	5	566.66
		5 Evaporator bocor	5	4	4	550
3.4	VAUTIN	6 Evaporator beku	7	3	4.5	547.91
	AVA	7 Filter kotor	4	4	- 3	433.33
	NUSIAYE	8 Resistor blower rusak	3	3	3	330
	AWUMA	9 Expansion Mampet	5	4	1	250
		1. Kurang Freon	7.9	4.5	3.1	661.40
- 1	bran Av	2. Condensor cepat panas	6.9	4.3	3.1	544.285
Le	Condensor AC Mobil	3. Rile mati	6.9	4	3	538.92
		4. Sikring putus	5	4	3	433.33
6		5. Selenuid mampet	4	2.7	1.3	340
		6 Extra fan mati	3.9	2.7	1.3	320
		8 Drayer mampet	3	2.7	1.3	295,06
		7 Condensor bocor	3.7	2.7	1.3	295
57		1. Sensor panas rusak	7	7	7.5	841.66
		2 Ada kelembapan dalam	8	4	4	733.33
		sistem			Y	
7	Katur Elmanai	4 Preassure switch tidak	6	6.5	6.5	668.749
7	Katup Ekpansi	bekerja				
		3 Heater switch tidak bekerja	7	6	6	622.22
	5	5 Rusaknya karet suction	5	4	3	433.33
		6 Pipa Kapiler Bocor	6	2	4	375

## Hasil Perhitungan Pakar B menggunakan aplikasi Fuzzy FMEA :

NO	Nama Kerusakan	Detail Kerusakan	S	0	D	RPN
		1. Evaporator Beku 💦 🚔	7.8	8.3	7.8	896.67
		2. Unit Indoor Mati	8.5	5.5	6	841.66
		3. Perawatan Kondensi	6	8.5	4	691.66
		4. AC Mati	7	4.5	6.5	687.49
		5. Thermistor Rusak	6.4	6.5	6.9	685.08
	Indeer AC Buong	6. AC Dijalankan secara manual	6	5	4	550
	Indoor AC Kuang	7. Motor Indoor mati	5	5	3.5	499.99
1		8. AC mengeluarkan air	5.5	4.5	1	250
		9. Indoor AC berisik	3.5	3	1	212.5
		10.Swing Macet		1	3.3	195.88
		11.Filter AC kotor	2.5	3	1	172.22
		12. Indoor AC mengeluarkan bau tidak sedap	1.5	1	1	55.55
11	ATTJA UP	1. Unit outdoor mati	8	8.5	7	883.33
	AU ALSVA	2. Perawatan Kondensor	7.5	6.5	6.5	733.33
2	Outdoor AC Puona	3. Runing Kapasitor rusak	5	6.5	6.5	668.74
2	Outdool AC Rualig	4. Ada es pada pipa tembaga	3	2	3	275
	C BKSOAV	5. Fan kapasitor rusak	2	3	3	250
	AZ AC BRED	6. Kurang Freon	3	1	2	172.22
3	Compressor AC Ruang	1. Compressor mati (overload)	8	8	8.5	916.66

		2. Compressor mati	7.8	8.3	7.8	896.67
	UPINVE	3. Compressor cepat panas	7	8	7	841.6
24	VAUIN	4. Compressor tidak stabil	7	7.5	7	841
	AVA	5. Kapasitor mati	7	6.5	7	768.75
	NUCAYP	6. Compressor mengeluarkan	6	6.5	7.5	733
		suara berderik		17-1		145
	No AWHIT	1. Compressor aus	8	8.3	6.7	896.66
	brach.	2. Oli compressor menempel di			X	
	ASP DE	dinding evaporator dan	6.4	6.8	7.9	798.33
$\mathbf{D}$		condenser				<b>U</b> I
+**-		3. Magnetic clutch rusak	4	5	7.7	638.33
		4. Sil compressor bocor	4	5	7.5	625
4	Compressor AC Mobil	5. Compressor clutch selip	7	4.5	5	622.22
		6. Sil body compressor bocor	6.5	4.5	4.5	597.22
16		7. Idle pully dan bearing rusak	6.4	2.1	6.9	532.28
		8. Compressor bunyi	3	3	3	330
		9. Compressor cepat penas	3.5	3	1	212.5
		10 Kurang Freon	2	2	2	141.6
		1. Thermostat Rusak	8	8	8.5	883.33
	Evaporator AC Mobil	2. Blower Mati	7	8	7	841.66
		3. Kurang Freon	7.4	6.9	6.5	803.125
		4. Evaporator Kotor	7	3	5	566.66
5		5 Evaporator beku	6.4	2.1	6.9	532.28
		6 Evaporator bocor	77	3	4.5	547.91
		7 Resistor blower rusak	4	4	3	433.33
		8 Filter kotor	3	3	3	330
		9 Expansion Mampet	4.5	2.1	1.9	270
		1. Kurang Freon	7.9	4.5	3.1	661.40
		2. Condensor cepat panas	6.9	4.3	3.1	544.285
		3. Rile mati	6.9	4	3	538.92
		4. Sikring putus	6.5	5.3	2.1	370
6	Condensor AC Mobil	5. Selenuid mampet	4	2.7	1.3	340
		6 Extra fan mati	3.9	2.7	1.3	320
		8 Draver mampet	3	2.7	1.3	295.06
		7 Condensor bocor	3.7	2.7	1.3	295
		1. Ada kelembapan dalam	7	7	7.5	841.66
		sistem				
		2 . Sensor Panas Rusak	8	4	4	733.33
A		3 .Preassure switch tidak	6.4	5	7.9	711.66
7	Katup Ekpansi	bekerja				
-+*	AYP.TK UT	4. Heater switch tidak bekeria	6	6.5	6.5	668.749
N.	In AT SJA	5 Rusaknya karet suction	7	6	6	622.22
DA	WHITE	6 Pipa Kapiler Bocor	6	5.3	2.1	370

BRAWIJAY