

LAMPIRAN

Lampiran 1 Rekapitulasi Analisa ADI-CV

No	Code	ADI	CV	Metode
1	AA-003-000263	2,17	0,78	R,s,S
2	AA-003-000283	37,71	2,62	R,s,S
3	AA-004-000133	1,38	0,41	R,s,S
4	AA-004-000170	2,42	0,81	R,s,S
5	AA-004-000373	1,29	0,40	S,s
6	AA-004-000788	1,33	0,41	R,s,S
7	AA-004-000789	1,50	0,58	R,s,S
8	AA-004-000790	1,71	0,67	R,s,S
9	AA-004-000919	1,20	0,37	S,s
10	AA-005-000584	1,86	0,61	R,s,S
11	AA-005-000605	2,29	0,46	R,s,S
12	AA-007-000052	1,17	0,35	S,s
13	AA-007-000053	1,13	0,31	S,s
14	AA-007-000079	3,09	1,01	R,s,S
15	AA-007-000145	2,33	0,82	R,s,S
16	AA-007-000744	3,27	1,34	R,s,S
17	AA-007-000746	3,07	1,22	R,s,S
18	AA-007-000747	4,33	1,54	R,s,S
19	AA-007-000779	2,14	0,57	R,s,S
20	AA-007-000792	1,57	0,58	R,s,S
21	AA-007-000824	1,33	0,41	R,s,S
22	AA-008-000070	1,25	0,39	S,s
23	AA-010-000049	2,38	0,79	R,s,S
24	AA-011-000032	2,11	0,82	R,s,S
25	AA-011-000058	12,60	2,30	R,s,S
26	AA-011-000059	9,00	2,20	R,s,S
27	AA-015-000109	3,40	0,88	R,s,S
28	AA-015-000122	6,00	2,00	R,s,S
29	AA-015-000207	3,00	0,88	R,s,S
30	AA-015-001083	2,11	0,94	R,s,S

No	Code	ADI	CV	Metode
31	AA-016-000021	25,09	1,96	R,s,S
32	AB-005-000402	1,75	0,50	R,s,S
33	AB-011-000069	2,00	0,38	R,s,S
34	AB-011-000123	3,45	1,16	R,s,S
35	AB-011-000155	2,25	0,65	R,s,S
36	AB-015-000003	5,86	1,33	R,s,S
37	AB-016-000007	3,27	1,03	R,s,S
38	BD-001-000017	31,33	0,75	R,s,S
39	BD-001-000048	42,83	1,33	R,s,S
40	BD-001-000103	6,11	0,65	R,s,S
41	BD-001-000104	6,92	0,48	R,s,S
42	BD-001-000202	5,00	1,13	R,s,S
43	BD-001-000204	3,50	0,46	R,s,S
44	BD-003-000054	3,73	0,39	R,s,S
45	BD-003-000055	6,00	1,11	R,s,S
46	BD-003-000078	1,67	0,58	R,s,S
47	BD-003-000099	2,45	0,69	R,s,S
48	BD-003-000108	1,86	0,26	R,s,S
49	BD-003-000123	5,60	1,57	R,s,S
50	BD-004-000017	30,08	0,62	R,s,S
51	BD-004-000095	3,22	1,04	R,s,S
52	BD-004-000096	3,33	1,15	R,s,S
53	BD-004-000097	3,22	1,04	R,s,S
54	BD-004-000128	1,50	0,41	R,s,S
55	BD-004-000129	6,50	0,61	R,s,S
56	BD-004-000130	1,75	0,55	R,s,S
57	BD-004-000156	1,29	0,40	S,s
58	BD-004-000157	4,64	0,89	R,s,S
59	BD-004-000168	1,00	0,00	S,s
60	CC-002-000016	936,42	6,55	R,s,S
61	CC-002-000018	77,58	15,92	R,s,S
62	CC-002-000022	3281,67	13,08	R,s,S
63	CC-002-000024	8,45	2,00	R,s,S

No	Code	ADI	CV	Metode
64	CC-002-000028	1000,00	13,19	R,s,S
65	CC-002-000031	276,20	12,33	R,s,S
66	CC-002-000033	204,91	5,89	R,s,S
67	CC-002-000034	165,82	6,19	R,s,S
68	CC-002-000036	214,82	6,84	R,s,S
69	CC-002-000037	89,83	5,33	R,s,S
70	CC-002-000038	185,91	10,82	R,s,S
71	CC-002-000039	104,08	4,03	R,s,S
72	CC-002-000048	120,90	21,76	R,s,S
73	CC-002-000066	143,33	4,54	R,s,S
74	CC-003-000005	43,67	13,16	R,s,S
75	CC-003-000008	4,67	1,11	R,s,S
76	CC-003-000017	80,08	0,82	R,s,S
77	CC-003-000022	241,50	1,59	R,s,S
78	CC-003-000025	196,25	4,32	R,s,S
79	CC-005-000005	11,13	2,48	R,s,S
80	CC-005-000012	6,78	1,04	R,s,S
81	CC-005-000018	5,00	0,00	R,s,S
82	CC-005-000041	313,92	6,16	R,s,S

Lampiran 2 Data Kesalahan Peramalan

No	Kode	Nama Sparepart	Uom	JAN	FEB	MAR	APR	MEI	JUN	JUL	AGUSTUS	SEPT	OKT	NOV	DES
1	AA-003-000263	SNAPRING; H 190	PCS	2	2,00	4	3	3	2	1	1	1	3	2	3
2	AA-003-000283	WHELL BOLT REAR;CTT	PCS	4	3	5			5			2		3	4
3	AA-004-000170	SEAL ORING;177,4 X 184,46 X 0 X 3,35 X 0 262	PCS	3	2	1	2	3	3	1	2	3	2	3	1
4	AA-004-000789	VITON;SEAL ORING;AS-256	PCS	2	2				2	2		2	2	1	2
5	AA-004-000790	BACK UP SEAL;178 X 184 X 1,4 MM;ST9, MAT:PU	PCS			3			2	2		3	1	1	3
6	AA-005-000584	0;PLAT SS 304 LEFT;1,5 MM	PCS	2		1		2	3	2			3	4	
7	AA-007-000079	HOSE EXTENSION VALVE;34 CM	PCS	2	1	2	2	2	3	4	2	2	1	1	
8	AA-007-000145	0;HOSE SPIRAL;(Y/R)	PCS	2	2	1		1	2	2			2	3	3
9	AA-007-000744	CUMMINS;HOSE FLEXIBLE;5318808	PCS	2	1	2	2	2	2	1	3	2		2	2
10	AA-007-000746	HOSE RADIATOR SILICONE;3/4"	METER				1	1		2	1		2	2	2
11	AA-007-000747	0;HOSE RADIATOR SILICONE;3/8"	METER	2		2	1	2		2	1		2	1	2
12	AA-007-000779	HOSE HYDRAULIC;F216;R2 X 1/4" X P.88 CM	PCS	2	2			1	1		2	2			1
13	AA-007-000792	HOSE HYDRAULIC;F245	PCS				2	3	2	1	2	2		2	
14	AA-010-000049	SUN HYDRAULIC;ELECTRO PROPOTIONAL RELIEF VALVE;RBAP-XWN1F78	PCS	2	1	2	3		1		1	2			2
15	AA-011-000058	SINTERED;DISC CTD/CTU;44101400001	PCS			2			4	3		2	2		
16	AA-011-000059	SINTERED;STEEL CTD/CTU;44101400002	PCS			2			3	2		3	2	2	1
17	AA-015-000109	CUMMINS;GASKET VALVE COVER;5309255	PCS			2			2	2		1			2
18	AA-015-000122	CUMMINS;SCREW HEX FLANGE HEAD;3944593	PCS			2					2	3	1	1	1
19	AA-015-000207	RMF;HYDRAULIC BRAKE TANK COOLING SYTEM;9318116	PCS		2				2		2	1	1	2	
20	AA-015-001083	BREVINI;OVERHAUL;DRIVE GEARBOX;CTU2700G	PCS		2	2	1		1	2	3	2	3	2	
21	AA-016-000021	SPRING BRAKE;5,5 MM	PCS	3	2	3	3	2	4		2	3	3	2	3
22	AB-005-000402	HELLA;LAMPU HALOGEN;H7 24V 70W	PCS	2	1	2	2		1	1	2	2			
23	AB-011-000123	PROXIMITY;PRL 18-8DP	PCS	1	1	2	2		2	3	2	1	2	2	1
24	AB-011-000155	SICK;SENSOR;DT35-B15251	PCS	2	2	1	1	1	2	2		1			
25	AB-015-000003	NS;ACCU;N150	PCS	2				2	1	2	2		2	2	
26	AB-016-000007	CARBON BRUSH;100X32X16MM	PCS	1	2	2	2	1	2	1	2	1	3	2	
27	BD-001-000017	FLEETGUARD;FUEL FILTER;P/N: FF5612	PCS	4	3	3	2	2	1	2	3	4	2	2	4
28	BD-001-000048	FLEETGUARD;FUEL FILTER;FS19732	PCS	2	3	3	2	2	3	2	3	3	3	2	3
29	BD-001-000103	MERCEDES BENZ;FILTER FUEL PRE WATER SEPARATOR;A40004770301	PCS				2	1	2	3		2	2	2	2
30	BD-001-000202	VOLVO;FILTER WATER SEPARATOR;20998367	PCS							1	2	1	1	2	2
31	BD-003-000055	FLEETGUARD;AIR FILTER;AF25756	PCS	2	1	2	2	2	2	3	2	1		3	1
32	BD-003-000078	MERCEDES BENZ;AIR FILTER SAFETY;A4005280406	PCS				1	2	2			1	1	1	
33	BD-003-000099	WABCO;FILTER AIR DRYER;EAC-1608;4329012232	PCS	2	1	1	1	2		2	1	1	2	2	2
34	BD-003-000123	KONECRANES;AIR BREATHER;52830277	PCS		1	2	2	2	2	2	3		1	1	3
35	BD-004-000017	Oil filter;LF3970	PCS	3	3	2	3	2	3	2	3	1	2	3	2
36	BD-004-000095	HYDAC;OIL FILTER ELEMENT;1325816	PCS			1		2	2	2	1	1	1	2	1
37	BD-004-000096	HYDAC;OIL FILTER ELEMENT;1325818	PCS			1		2	2	3	1	1	1	1	1
38	BD-004-000097	HYDAC;OIL FILTER ELEMENT;1325819	PCS			2		1	2	3	2	1	2	1	1
39	BD-004-000129	MERCEDES BENZ;OIL FILTER;A9061800209	PCS	2	3	2	2	2	2	2	1	1	2	2	3
40	BD-004-000130	MERCEDES BENZ;RS FILTER INSERT/FILTER CATRIDGE;A4004350013	PCS	1	2	1	1	2	2	1	2	2	1	1	1
41	BD-004-000157	PARKER;FILTER HYDRAULIC;R90P	PCS	1	2	2	2	1	2		2	1	1	2	2
42	CC-002-000016	PERTAMINA;DIESEL ENGINE OIL;MEDITRAN SX PLUS	LITER	10	15	17	15	11	11	12	13	9	8	7	8
43	CC-002-000018	ATF;OIL TRANSMISION;ATF DEXTRON III	LITER	2	3	5	3	2	1	2	4	3	3	4	3
44	CC-002-000022	PERTAMINA;Hidrolik Turalic T 68	LITER	12	7	9	10	11	15	24	12	11	15	13	10
45	CC-002-000024	PRESTONE;MINYAK REM;DOT 4	BOTOL	1	1	1	2	1	2	2	1	2	2	1	
46	CC-002-000028	SHELL;OIL GEARBOX;OMALA S2 G220	LITER	9	10	12	9	8	2	3	4	4	5	5	2
47	CC-002-000031	SHELL;OIL GEARBOX;OMALA S2 G320	LITER							10	5	4	5	1	
48	CC-002-000033	SHELL;OIL HIDROLIK;TELLUS S2 MX32	LITER	14	11	9	2		12	11	13	12	10	9	5
49	CC-002-000034	SHELL;OIL HIDROLIK;TELLUS S2 MX46	LITER	2		3	2	3	4	5	6	9	7	12	11
50	CC-002-000036	TOTAL;OIL DIESEL ENGINE;RUBIA TIR 8600 10W-40	LITER	3		5	6	2	11	13	6	5	7	2	10
51	CC-002-000037	TOTAL;OIL GEARBOX;CARTER SH 220	LITER	2	2	3	3	4	2	7	2	4	3	14	3
52	CC-002-000038	TOTAL;OIL HIDROLIK;EQUIVIS ZS 46	LITER	2	3	4	2		3	4	2	1	4	5	5
53	CC-002-000039	TOTAL;OIL TRANSMISI;TRANSTEC SAE 80W-90	LITER	3	3	2	2	2	5	3	1	2	5	6	2
54	CC-002-000048	PERTAMINA;OIL RORED HDA 85W-140	LITER	2	1	16	11	8			4	2	2	1	2
55	CC-002-000066	TOTAL;OIL HIDROLIK;AZOLLA ZS 32	LITER		3	2			2	4			4	5	
56	CC-003-000005	SHELL;GREASE;GADUS S2 V220-2	KG	13	1	2	2	3	2	1	2	3	2	3	2
57	CC-003-000008	BECHEM;GREASE WIRE ROPE;SW 2V	KG		1	2	1		1	1	1	2	1	2	
58	CC-003-000017	TOTAL;GREASE WIRE ROPE;MULTIS EP 00	KG	2	3	3	5	2	11	6	6	7	6	5	3
59	CC-003-000022	TOTAL;GREASE BEARING;MULTIS EP 2	KG	12	11	9	8	7	6	7	3	4	5	6	3
60	CC-003-000025	SAVER;GREASE CHAIN & CABLE;S-3065 NLGI 00	KG	5	3	4	9	4	5	6	6	4	4	5	2
61	CC-005-000005	AFNAC;WATER COOLANT;SYCG-AF-NACCNKZ	LITER		1	2	1	2	1	2		1			2
62	CC-005-000012	FREON REFRIGERATOR COOLING;AC R410 A	LITER	1	2	1	1	1	2		1	1	1	2	2
63	CC-005-000041	PG PLUS;PREMIX WATER COOLANT;CC2867	LITER	10	11	13	14	9	14	12	11	13	10	8	9

Lampiran 5 Total Inventory Cost (TIC) eksisting

No	Kode Sparepart	Persediaan	Pemesanan	Biaya Pemesanan	Biaya Simpan/unit	Biaya Penyimpanan	TIC
1	AA-003-000283	431	233	Rp 5.961	Rp 373	Rp 160.763	Rp 1.549.676
2	BD-001-000048	823	469	Rp 5.233	Rp 373	Rp 306.979	Rp 2.761.256
3	BD-004-000017	838	347	Rp 2.533	Rp 373	Rp 312.574	Rp 1.191.525
4	CC-002-000016	18.991	8820	Rp 453	Rp 373	Rp 7.083.643	Rp 11.079.103
5	CC-002-000028	12.380	10681	Rp 601	Rp 373	Rp 4.617.740	Rp 11.037.021
6	CC-002-000033	2.321	1881	Rp 533	Rp 373	Rp 865.547	Rp 1.868.120
7	CC-002-000034	5.065	1048	Rp 469	Rp 373	Rp 1.889.245	Rp 2.380.757
8	CC-002-000036	5.590	1872	Rp 1.406	Rp 373	Rp 2.085.070	Rp 4.716.353
9	CC-002-000037	4.918	833	Rp 2.771	Rp 373	Rp 1.834.228	Rp 4.142.720
10	CC-002-000038	3.909	1457	Rp 603	Rp 373	Rp 1.458.057	Rp 2.336.919

Lampiran 6 Total Inventory Cost (TIC) dengan kebijakan periodic review (R,s,S)

No	Kode Sparepart	Pemesanan	Persediaan	Biaya Pemesanan	Biaya Penyimpanan	TIC
1	AA-003-000283	219	506	Rp 5.961	Rp 373	Rp 1.494.197
2	BD-001-000048	436	981	Rp 5.233	Rp 373	Rp 2.647.501
3	BD-004-000017	247	631	Rp 2.533	Rp 373	Rp 861.014
4	CC-002-000016	8556	13975	Rp 453	Rp 373	Rp 9.088.543
5	CC-002-000028	9944	12108	Rp 601	Rp 373	Rp 10.492.628
6	CC-002-000033	1972	2947	Rp 533	Rp 373	Rp 2.150.307
7	CC-002-000034	1095	4577	Rp 469	Rp 373	Rp 2.220.776
8	CC-002-000036	1511	5574	Rp 1.406	Rp 373	Rp 4.202.964
9	CC-002-000037	720	2801	Rp 2.771	Rp 373	Rp 3.040.109
10	CC-002-000038	1592	3037	Rp 603	Rp 373	Rp 2.093.095

Lampiran 7 Total Inventory Cost (TIC) kebijakan periodic review (R,s,S) dengan sistem inventory consignment stock

No	Kode Sparepart	Pemesanan	Persediaan	Biaya Pemesanan	Biaya Penyimpanan	TIC
1	AA-003-000283	212	429	Rp 5.961	Rp 373	Rp 1.423.749
2	BD-001-000048	360	748	Rp 5.233	Rp 373	Rp 2.162.884
3	BD-004-000017	228	479	Rp 2.533	Rp 373	Rp 756.191
4	CC-002-000016	8446	12985	Rp 453	Rp 373	Rp 8.669.443
5	CC-002-000028	9925	11918	Rp 601	Rp 373	Rp 10.410.339
6	CC-002-000033	1540	4315	Rp 533	Rp 373	Rp 2.430.315
7	CC-002-000034	1077	4469	Rp 469	Rp 373	Rp 2.172.050
8	CC-002-000036	1482	5400	Rp 1.406	Rp 373	Rp 4.097.299
9	CC-002-000037	674	2660	Rp 2.771	Rp 373	Rp 2.860.036
10	CC-002-000038	1549	2.871	Rp 603	Rp 373	Rp 2.005.240

Lampiran 8 Total Inventory Cost (TIC) kebijakan periodic review (R,s,S) dengan sistem inventory consignment stock

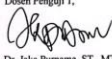
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FAKULTAS TEKNIK
PROGRAM STUDI TEKNIK INDUSTRI

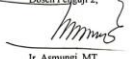
REVISI SIDANG TUGAS AKHIR


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N B I : 1411809080
J U D U L : ANALISIS MANAJEMEN INVENTORY SPAREPART ALAT BERAT PELABUHAN MODEL CONSIGNMENT STOCK PT BERKAH INDUSTRI MESIN ANGKAT GUNA MEMINIMUMKAN TOTAL INVENTORY COST (TIC) (KHUSUS USER PT. TERMINAL TELUK LAMONG)

BATAS BIMBINGAN REVISI : 1 Minggu setelah Sidang

NO	URAIAN	BAB	HALAMAN	NO	URAIAN	BAB	HALAMAN
1.	prosedur di bagian Gudang akhir ✓			1.	Perlu pengalokasian lebih		
2.	jumlah tabak dan Benar ✓ di perbaikan.				Sebelum keulang pembuatan MRP nya.		

Telah Direvisi,
Dosen Penguji 1,

Dr. Jaka Purnama, ST., MT

Dosen Penguji 2,

Ir. Asmungi, MT

Surabaya, 07 Juni 2022
Mengetahui
Dosen Pembimbing,

Wivian Widiasih, ST., MT