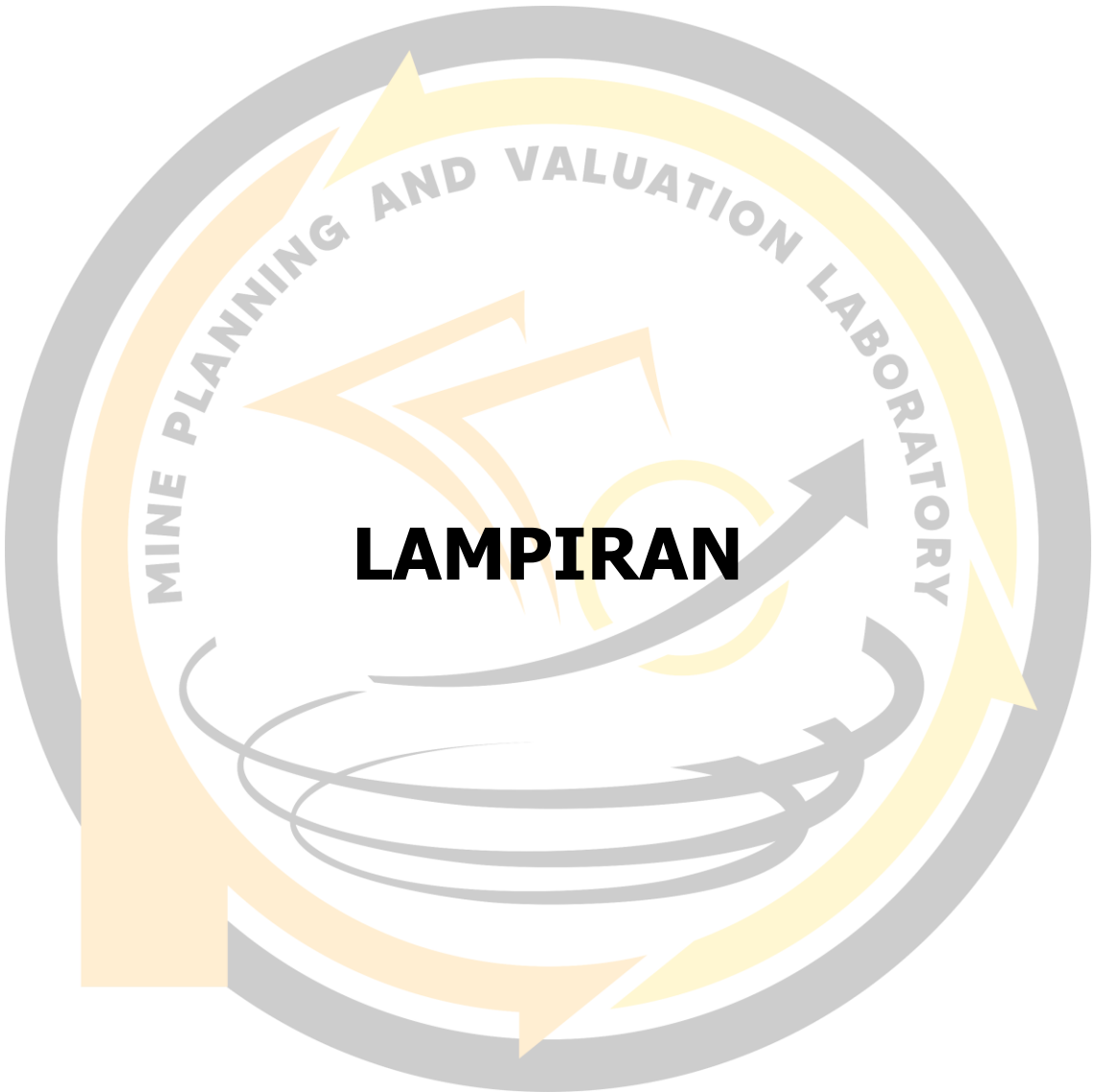


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LAMPIRAN



MINE PLANNING AND VALUATION LABORATORY

LAMPIRAN A

**SPEKIFIKASI ALAT *DEFENDER EXCAVATOR*
KOMATSU, *DUMPTRUCK UD CWESTER*, DAN
*DUMPTRUCK AXOR***

Tabel A. 1 Spesifikasi Alat Gali Muat

Spesification		KOMATSU PC 300	
Performance	Maximum speed	2.050 rpm	
	Gradeability	45°/60%	
	Standard Bucket Capacity	1,4 m ³	
Engine model	Model	SAA6D114E-3	
	Type	4-cycle, water-cooled in-line, direct injection with turbocharger and air-cooled-intercooler.	
	Maximum power	194 KW/260 HP	
	Maximum torque	113,1 kgm/1.450 rpm	
	Bore X Stroke	114 x 135 mm	
	Piston displacement	8,270 cc	
	Hydraulic Pump	Type	HPV 125+125, variable displacement piston type: 2
		Set Pressure	37,8 Mpa
Hydraulic Cylinder	Type	Double acting piston	
	Cylinder Inner Diameter	140 mm	
	Piston Rod Diameter	100 mm	
	Piston Stroke	1.285 mm	
	Max. pin-to-pin distance	3.155 mm	
	Min. pin-to-pin distance	1.870 mm	
Hydraulic Tank		Box-shaped, closed type	
Hydraulic Oil Filter		Tank setum side	

Spesification		KOMATSU PC 300
Hydraulic Air Cooler		CF91-1 (air-cooling type)
Undercarriage	Carrier Roller	2 on one side
	Track Roller	7 & 8 on one side
	Track Shoe	Assembly-type triple grosser 48 on one side
Dimension	Overall length	11,150 mm
	Overall width	3,190 mm
	Overall height	3,250 mm
	Tail swing radius	3,450 mm
	Shoe width	600 mm
	Cab height	3,110 mm
	Overall track length	4,625 mm
	Length of track on ground	3,700 mm
	Min. ground clearance	498 mm
Chassis Weight	GVWR / GCWR	30.000 kg
Price	Area Sulawesi Tengah	Rp 1.800.000.000

Tabel A. 2 Spesifikasi Alat Angkut

Spesification		UD CWE	AXOR
Performance	Maximum speed	90 km/h	60 km/h
	Gradeability	45%	47%
Engine model	Model	GH11E	OM 906 LA
	Type	Diesel; Direct Injector dengan 6 silinder yang dilengkapi dengan Overhead Camshaft	In Line Four Stroke Diesel Engine With Electronic Engine Management
	Maximum power	375/1.900 PS/rpm	205/2.200 PS/rpm
	Maximum torque	172/ 1000-1400 (kgm/rpm)	110/1.200-1.600 (kgm/rpm)
	Bore X Stroke	123 x 152 mm	102 x 130 mm
	Piston displacement	10.800 cc	6.370 cc
	Transmission	Type	12 kecepatan, overdrive, range change gerbox dirancang untuk torsi 2000 Nm
	Diameter Cakram	380 mm	430 mm
Transmisi	Tipe	ST02012	G 131
	Geer ratio	-	-
	C	12.100	14.570
	1 st	9.410	9.480
	2 nd	7.310	6.640
	3 rd	5.710	4.820
	4 th	4.460	3.670

Spesification		UD CWE	AXOR
	5 th	3.480	2.590
	6 th	2.710	1.810
	7 th	2.110	1.320
	8 th	1.640	1.000
	Reverse	11.560	13.860
Axle	Rear	13.000 kg	10.200 kg
	Front	13.000 kg	6.600 kg
	Final Gear Ratio	5.140	5.375
Brakes	Main Brake	Full Air dual-line dengan S-Cam dan brake chamber dengan posisi yang tinggi	Full Air Scam Dual Sircuit
Wheel and Tire	Tire Size	11,00-20-16PR	11,00-20-16PR
Suspensions	Front	Suspensi Leaf tipe parabolic dengan shock absorbers untuk kenyamanan maksimum	Parabolic Tapered Profile Leaf Spring
	Rear	Multi Leaf dengan 9 leaf spring	Semi Elliptic Leaf Springs With Tandem Bogie Arrangement
	Nos of Tire	10 + 1 (spare tire)	10 (+1)
Fuel Tank	Capacity	315 Litres	255 Litres
Dimension	Wheel base	3.400 + 1.370 mm	5.300 mm
	Cabin to end	3.295 mm	6.295 mm
	Overall length	7.050 mm	1.074 mm
	Overall width	2.500 mm	689 mm
	Overall height	3.312 mm	956 mm

Spesification		UD CWE	AXOR
	Front tread	2.020 mm	1.970 mm
	Rear tread	1.836 mm	1.845 mm
	Front overhang	1.480 mm	1.440 mm
	Rear overhang	805 mm	1.625 mm
Tangki Solar	Kapasitas	315 Liter	255 Liter
Chassis Weight	Total Chassis Weight	9.068 Kg	5.300 Kg
	GVWR / GCWR	50.000 Kg	41.000 Kg
Price	Area Sulawesi Tengah	Rp 1.100.000.000	Rp 713.000.000

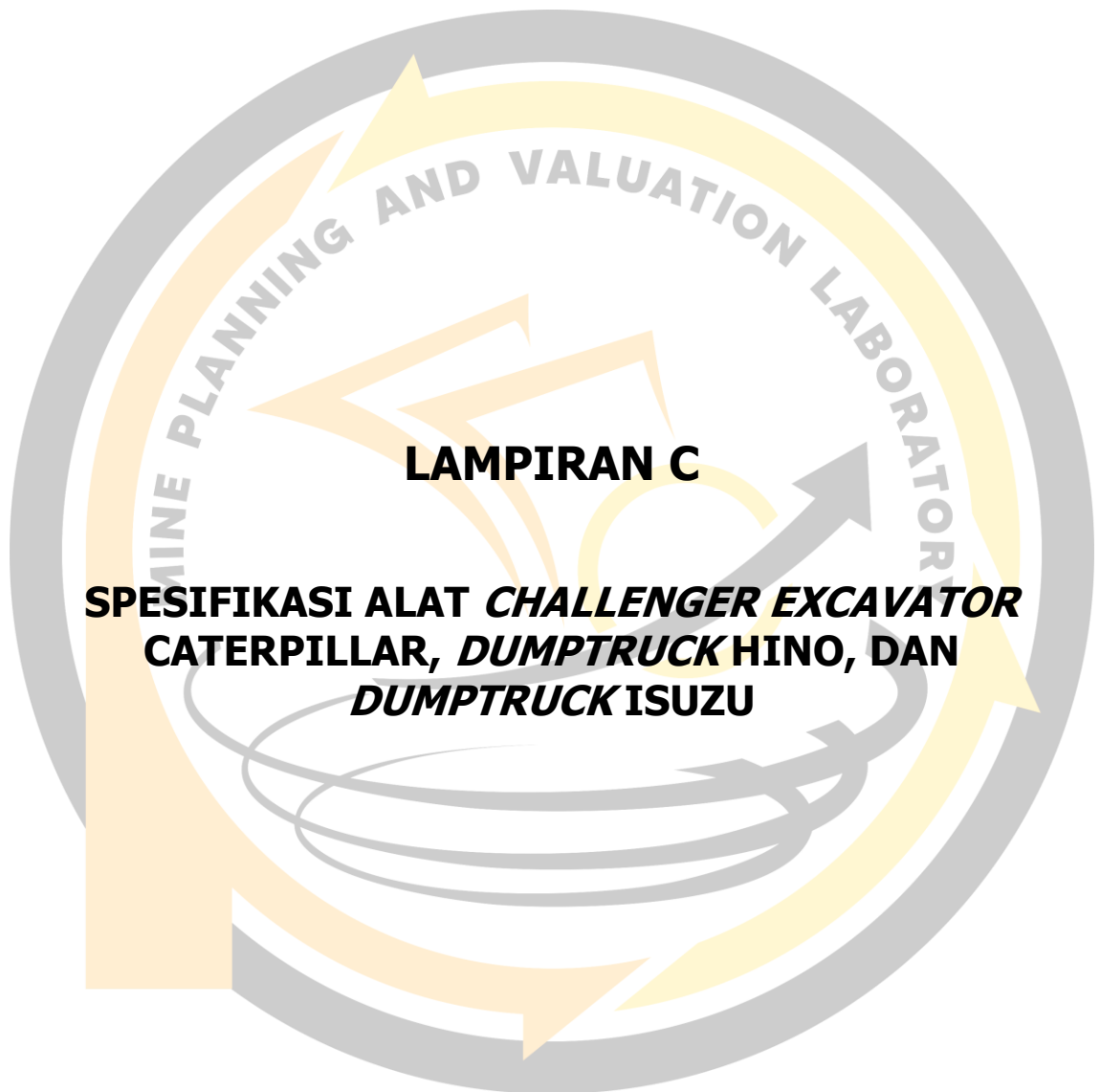


LAMPIRAN B

**BIAYA PERBAIKAN DAN PERAWATAN ALAT
*DEFENDER***

Tabel B. Biaya pemeliharaan dan perbaikan alat *defender*

NO	Alat	Tahun	<i>Maintenance Cost</i>										Total
			<i>Schedule</i>	<i>Unschedule</i>	<i>Accident</i>	<i>Mis Operation</i>	<i>Mis Maintenance</i>	<i>Undercarriage</i>	<i>Lubricants</i>				
1	DUMPTRUCK CWE 370	2018	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 1.086.182	Rp 1.086.182
		2019	Rp 23.098.981	Rp 8.311.123	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 1.086.182	Rp 32.496.286
		2020	Rp 25.839.882	Rp 19.548.326	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 1.086.182	Rp 46.474.390
2	DUMPTRUCK AXOR 2528 C M/T	2018	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
		2019	Rp 1.436.244	Rp 137.500	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 41.667	Rp 2.645.517
		2020	Rp 7.178.015	Rp 3.769.350	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 1.030.105	Rp 11.977.470
3	EXCAVATOR PC 300	2018	Rp -	Rp 500.000	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 500.000
		2019	Rp 28.440.983	Rp 10.855.643	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 41.667	Rp 39.338.293
		2020	Rp 13.759.952	Rp 14.297.017	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 1.099.265	Rp 29.156.234



LAMPIRAN C

**SPEKIFIKASI ALAT *CHALLENGER EXCAVATOR*
CATERPILLAR, DUMPTRUCK HINO, DAN
*DUMPTRUCK ISUZU***

Tabel C. 1 Spesifikasi Alat Gali Muat

Spesification		Caterpillar 330
Performance	Maximum speed	1.150 rpm
	Gradeability	35°/70%
	Standard Bucket Capacity	1,8 m ³
Engine model	Model	CAT C7.1
	Maximum power	195 KW
	Bore X Stroke	105 x 135 mm
	Piston displacement	7,010 cc
Hydraulic Tank		197 litres
Dimension	Overall length	11,150 mm
	Overall width	3,190 mm
	Overall height	3,250 mm
	Tail swing radius	3,130 mm
	Max. digging depth	7.250 mm
	Cab height	3,060 mm
	Overall track length	4,860 mm
	Length of track on ground	10,690 mm
	Min. ground clearance	490 mm

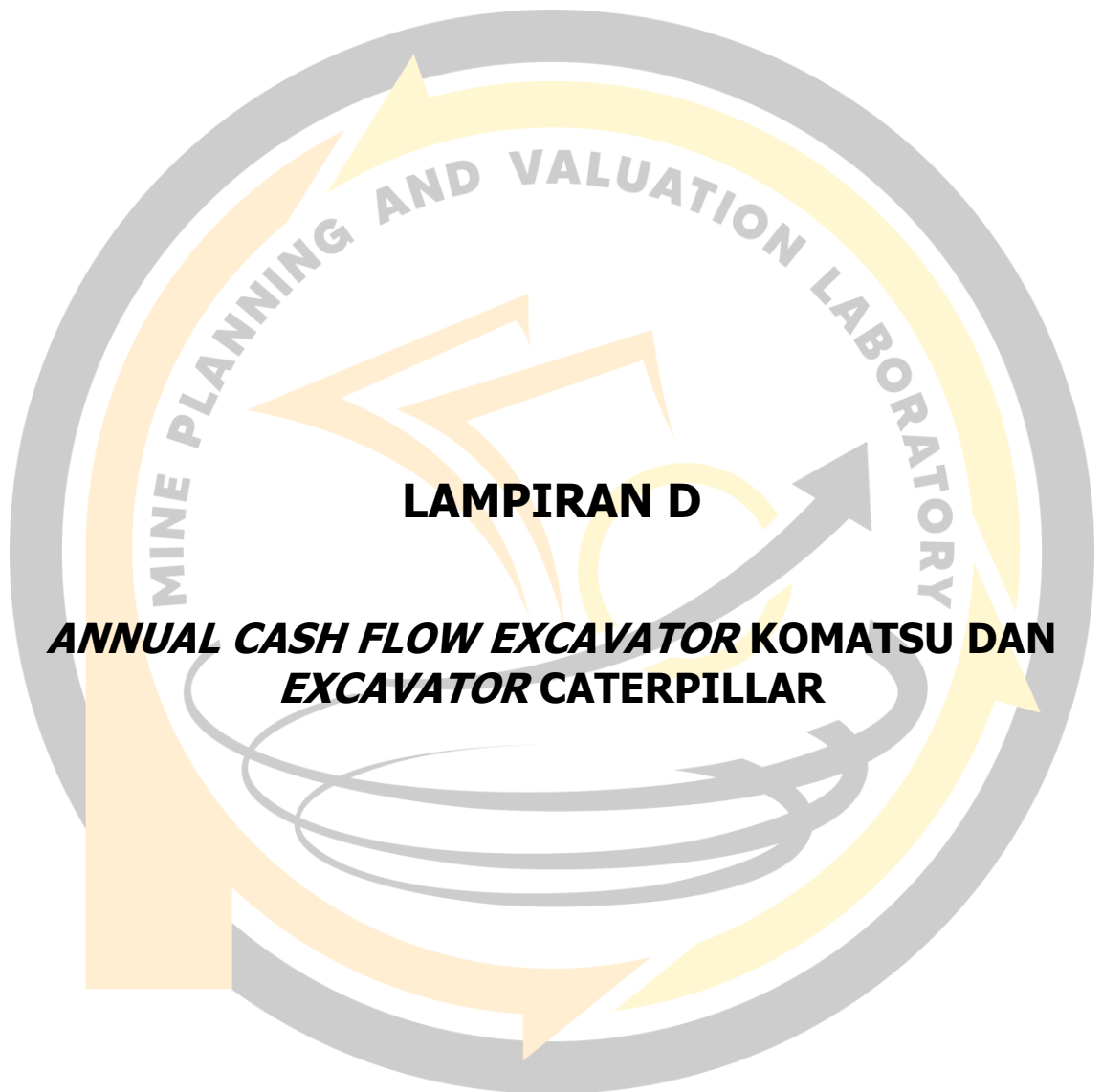
Spesification		Caterpillar 330
Fuel Tank	Capacity	474 litres
Chassis Weight	GVWR / GCWR	30.900 kg
Price	Area Sulawesi Tengah	Rp 2.900.000.000

Tabel C. 2 Spesifikasi Alat Angkut

Spesification		HINO FM 350	ISUZU GIGA 285
Performance	Maximum speed	106 km/h	83 km/h
	Gradeability	65%	47%
Engine model	Model	P11C-VP	GHK1-TCS
	Type	Diesel 4 stroke; In line; Direct Injection; Turbo Charger Intercooler; Common Rail	In line six cylinder, OHC, Direct Inection Diesel
	Maximum power	350/2.100 PS/rpm	285/2.400 PS/rpm
	Maximum torque	134/ 1500 (kgm/rpm)	90/1450 (kgm/rpm)
	Bore X Stroke	122 x 150 mm	115 x 125 mm
	Piston displacement	10.520 cc	7.790 cc
	Transmission	Type	Pelat kering Tunggal dengan Coil Spring
Diameter Cakram		380 mm	430 mm
Transmisi	Tipe	M0090D	ZF 9S1112TD
	Geer ratio	-	-
	C	10.178	12.728
	1 st	6.986	8.829
	2 nd	5.063	6.281
	3 rd	3.636	4.644
	4 th	2.633	3.478
5 th	1.921	2.538	

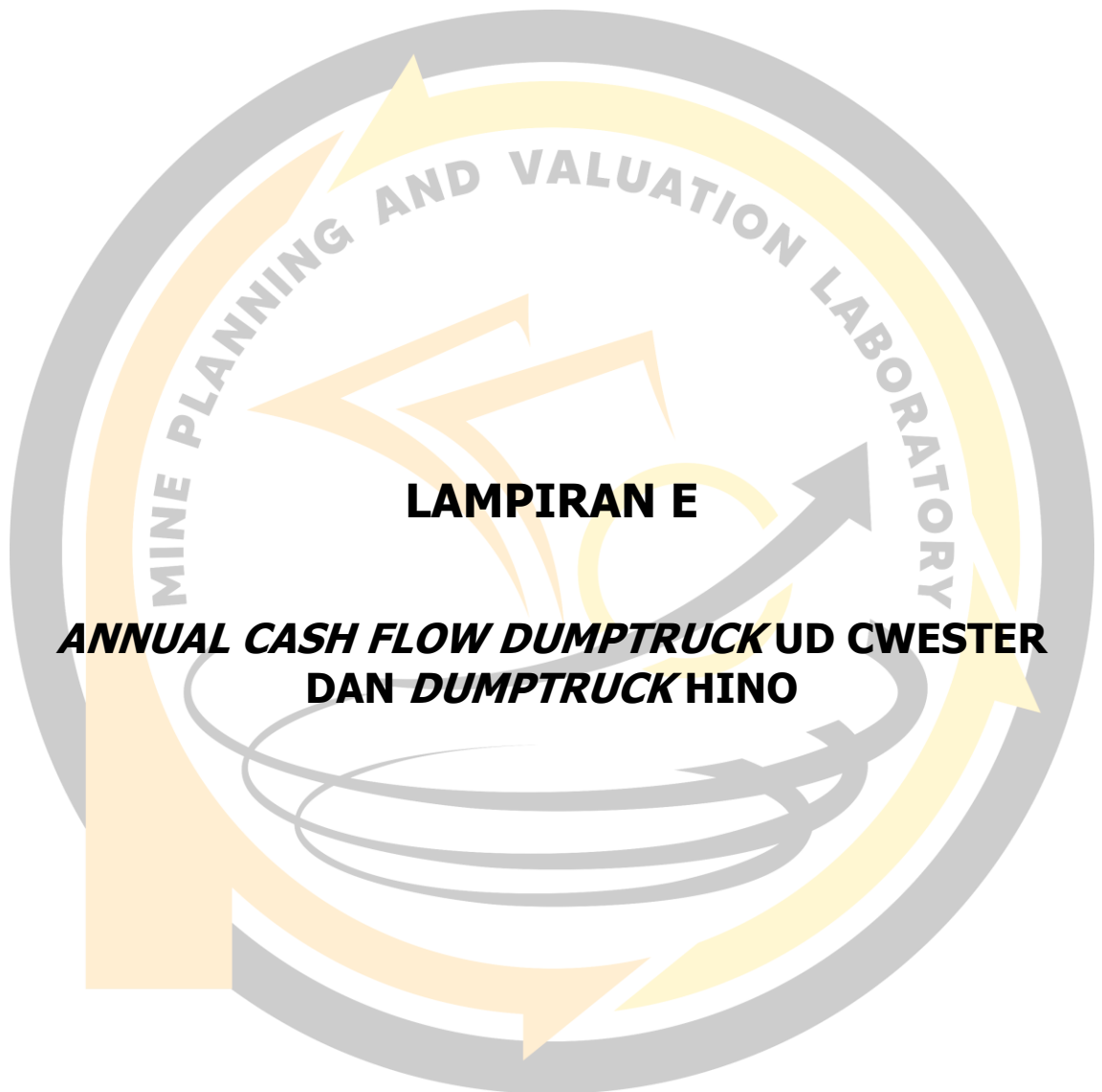
Spesification		HINO FM 350	ISUZU GIGA 285
	6 th	1.392	1.806
	7 th	1.000	1.335
	8 th	0,724	1.000
	Reverse	9.874	12.040
Axle	Rear	Full Floating Tipe Hypoid Gear	7.700 kg
	Front	Reverse Elliot, I-Section Beam	3.600 kg
	Final Gear Ratio	5.857	6.143
Brakes	Main Brake	Full Air Brake with Two Circuit	Air Over Hydraulic
Wheel and Tire	Tire Size	11,00-20-16PR	10,00-20-16PR
Suspensions	Front	Rigid Axle with Semi Elliptic Leaf	Multileaf
	Rear	Rigid Axle with Semi Elliptic Leaf	Multileaf (Turnnion Suspension)
	Nos of Tire	10 + 1 (spare tire)	10 (+1)
Fuel Tank	Capacity	200 Litres	200 Litres
Dimension	Wheel base	3.930 + 1350 mm	5.300 mm
	Cabin to end	3.875 mm	6.295 mm
	Overall length	8.745 mm	8.365 mm
	Overall width	2.490 mm	2.400 mm
	Overall height	2.920 mm	2.860 mm
	Front tread	2.050 mm	1.970 mm
	Rear tread	1.860 mm	1.845 mm
	Front overhang	1.380 mm	1.440 mm

Spesification		HINO FM 350	ISUZU GIGA 285
	Rear overhang	2.085 mm	1.625 mm
Tangki Solar	Kapasitas	200 Liter	200 Liter
Chassis Weight	Total Chassis Weight	8.315 Kg	10.505 Kg
	GVWR / GCWR	26.000 Kg	41.000 Kg
Price	Area Sulawesi Tengah	Rp 1.350.000.000	Rp 900.000.000



LAMPIRAN D

***ANNUAL CASH FLOW EXCAVATOR KOMATSU DAN
EXCAVATOR CATERPILLAR***



LAMPIRAN E

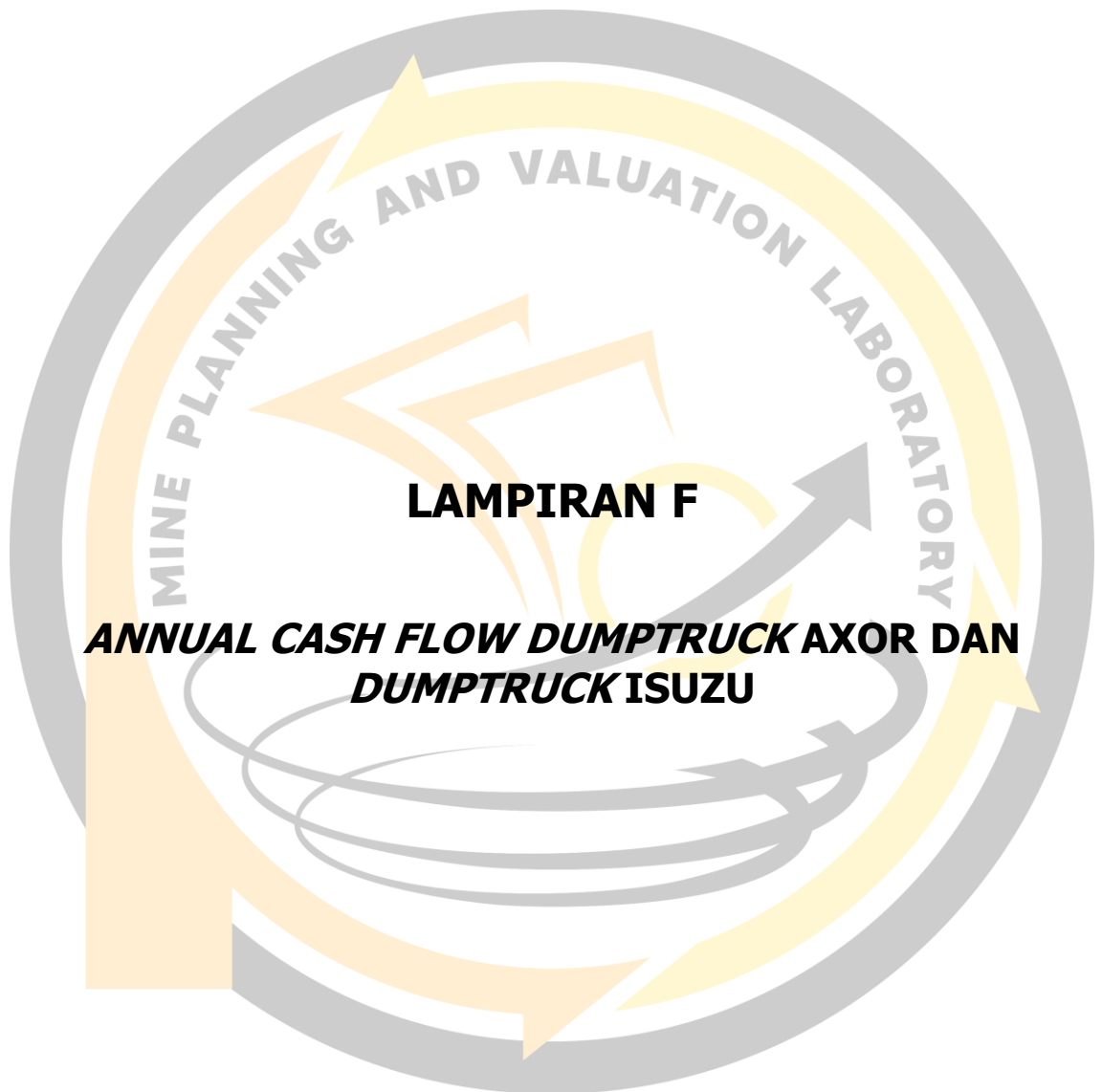
***ANNUAL CASH FLOW DUMPTRUCK UD CWESTER
DAN DUMPTRUCK HINO***

Tabel E1 *Annual Cash Flow Dumptruck Defender* (UD Cwester)

TAHUN	0	1	2	3	4	5	6	7	8	9	10
<i>ANNUAL BENEFIT DEF</i>	Rp8.716.128.960	Rp8.716.128.960	Rp8.716.128.960	Rp8.716.128.960	Rp8.716.128.960	Rp8.716.128.960	Rp8.716.128.960	Rp8.716.128.960	Rp8.716.128.960	Rp8.716.128.960	Rp8.716.128.960
NILAI SISA DEF	Rp 14.995.200	Rp 14.995.200	Rp 14.995.200	Rp 14.995.200	Rp 14.995.200	Rp 14.995.200	Rp 14.995.200	Rp 14.995.200	Rp 14.995.200	Rp 14.995.200	Rp 14.995.200
TOTAL <i>BENEFIT</i>	Rp8.731.124.160	Rp8.731.124.160	Rp8.731.124.160	Rp8.731.124.160	Rp8.731.124.160	Rp8.731.124.160	Rp8.731.124.160	Rp8.731.124.160	Rp8.731.124.160	Rp8.731.124.160	Rp8.731.124.160
<i>ANNUAL COST DEF</i>	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858
TOTAL <i>COST</i>	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858	Rp 359.680.858
NILAI BERSIH	Rp8.371.443.302	Rp8.371.443.302	Rp8.371.443.302	Rp8.371.443.302	Rp8.371.443.302	Rp8.371.443.302	Rp8.371.443.302	Rp8.371.443.302	Rp8.371.443.302	Rp8.371.443.302	Rp8.371.443.302

Tabel E2 *Annual Cash Flow Dumptruck Challenger* (Hino)

TAHUN	0	1	2	3	4	5	6	7	8	9	10
<i>ANNUAL BENEFIT CHAL</i>	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000
TOTAL <i>BENEFIT</i>	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000	Rp13.828.682.000
<i>ANNUAL COST CHAL</i>	Rp 1.635.680.858	Rp 1.635.680.858	Rp 1.635.680.858	Rp 1.635.680.858	Rp 1.635.680.858	Rp 1.635.680.858	Rp 1.635.680.858	Rp 1.635.680.858	Rp 1.635.680.858	Rp 1.635.680.858	Rp 1.635.680.858
<i>ANNUAL DEPRESIASI CHAL</i>	Rp 46.008.000	Rp 46.008.000	Rp 46.008.000	Rp 46.008.000	Rp 46.008.000	Rp 46.008.000	Rp 46.008.000	Rp 46.008.000	Rp 46.008.000	Rp 46.008.000	Rp 46.008.000
TOTAL <i>COST</i>	Rp 1.681.688.858	Rp 1.681.688.858	Rp 1.681.688.858	Rp 1.681.688.858	Rp 1.681.688.858	Rp 1.681.688.858	Rp 1.681.688.858	Rp 1.681.688.858	Rp 1.681.688.858	Rp 1.681.688.858	Rp 1.681.688.858
NILAI BERSIH	Rp12.146.993.142	Rp12.146.993.142	Rp12.146.993.142	Rp12.146.993.142	Rp12.146.993.142	Rp12.146.993.142	Rp12.146.993.142	Rp12.146.993.142	Rp12.146.993.142	Rp12.146.993.142	Rp12.146.993.142



LAMPIRAN F

***ANNUAL CASH FLOW DUMPTRUCK AXOR DAN
DUMPTRUCK ISUZU***

Tabel F1 Annual Cash Flow Dumptruck Defender (Axor)

TAHUN	0	1	2	3	4	5	6	7	8	9	10	
<i>ANNUAL BENEFIT DEF</i>	Rp8.066.640.960	Rp8.066.640.960	Rp8.066.640.960	Rp8.066.640.960	Rp8.066.640.960	Rp8.066.640.960	Rp8.066.640.960	Rp8.066.640.960	Rp8.066.640.960	Rp8.066.640.960	Rp8.066.640.960	Rp8.066.640.960
<i>NILAI SISA DEF</i>	Rp 9.780.960	Rp 9.780.960	Rp 9.780.960	Rp 9.780.960	Rp 9.780.960	Rp 9.780.960	Rp 9.780.960	Rp 9.780.960	Rp 9.780.960	Rp 9.780.960	Rp 9.780.960	Rp 9.780.960
<i>TOTAL BENEFIT</i>	Rp8.076.421.920	Rp8.076.421.920	Rp8.076.421.920	Rp8.076.421.920	Rp8.076.421.920	Rp8.076.421.920	Rp8.076.421.920	Rp8.076.421.920	Rp8.076.421.920	Rp8.076.421.920	Rp8.076.421.920	Rp8.076.421.920
<i>ANNUAL COST DEF</i>	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880
<i>TOTAL COST</i>	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880	Rp 214.248.880
<i>NILAI BERSIH</i>	Rp7.862.173.040	Rp7.862.173.040	Rp7.862.173.040	Rp7.862.173.040	Rp7.862.173.040	Rp7.862.173.040	Rp7.862.173.040	Rp7.862.173.040	Rp7.862.173.040	Rp7.862.173.040	Rp7.862.173.040	Rp7.862.173.040

Tabel F2 Annual Cash Flow Dumptruck Challenger (Isuzu)

TAHUN	0	1	2	3	4	5	6	7	8	9	10	
<i>ANNUAL BENEFIT CHAL</i>	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000
<i>TOTAL BENEFIT</i>	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp 1.853.156.000	Rp11.853.156.000	Rp11.853.156.000	Rp11.853.156.000
<i>ANNUAL COST CHAL</i>	Rp 1.186.704.719	Rp1.186.704.719	Rp 1.186.704.719	Rp 1.186.704.719	Rp 1.186.704.719	Rp 1.186.704.719	Rp 1.186.704.719	Rp 1.186.704.719	Rp 1.186.704.719	Rp 1.186.704.719	Rp 1.186.704.719	Rp 1.186.704.719
<i>ANNUAL DEPRESIASI CHAL</i>	Rp 30.672.000	Rp 30.672.000	Rp 30.672.000	Rp 30.672.000	Rp 30.672.000	Rp 30.672.000	Rp 30.672.000	Rp 30.672.000	Rp 30.672.000	Rp 30.672.000	Rp 30.672.000	Rp 30.672.000
<i>TOTAL COST</i>	Rp 1.156.032.719	Rp1.156.032.719	Rp1.156.032.719	Rp1.156.032.719	Rp1.156.032.719	Rp1.156.032.719	Rp1.156.032.719	Rp1.156.032.719	Rp1.156.032.719	Rp1.156.032.719	Rp1.156.032.719	Rp1.156.032.719
<i>NILAI BERSIH</i>	Rp10.697.123.281	Rp10.697.123.281	Rp10.697.123.281	Rp10.697.123.281	Rp10.697.123.281	Rp10.697.123.281	Rp10.697.123.281	Rp10.697.123.281	Rp10.697.123.281	Rp10.697.123.281	Rp10.697.123.281	Rp10.697.123.281



MINE PLANNING AND VALUATION LABORATORY



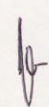
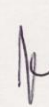
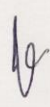
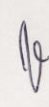
LEMBAR KONSULTASI

Lampiran B 10

Kartu Konsultasi Tugas Akhir

JUDUL: ANALISIS PERGEANTIAN ALAT GALI MUAT DAN ALAT ANEKUT PADA KEGIATAN PERTAMBANGAN NIKEL DI PT DJAVA BERKAH MINERAL, PROVINSI SULAWESI TENGAH

(Konsultasi minimal 8 kali)

TANGGAL	MATERI KONSULTASI	PARAF DOSEN
11/01/2022	<ul style="list-style-type: none"> - Perbaiki sampai Bab II. - Kata hubung, penggunaan huruf kapital/huruf kecil, Tidak ada kalimat/paragraf pengantar sebelum gambar, tabel, atau persamaan. - Penulisan tanda baca, penulisan kata tidak baku. 	
19/01/2022	<ul style="list-style-type: none"> - Penulisan kata & dan ke sebagai kata depan dan kata sambung. - Bentuk tabel tidak sesuai panduan. 	
31/01/2022	<ul style="list-style-type: none"> - Penggunaan tanda baca kurang tepat. - Perbaiki sampai Bab III. 	
07/02/2022	<ul style="list-style-type: none"> - Penggunaan huruf kapital tidak tepat. - Penulisan tanda baca kurang tepat. - Penulisan kata tidak baku. - Tambahkan bahasan & Tinjauan pustaka 	
11/02/2022	<ul style="list-style-type: none"> - Penggunaan huruf kapital tidak tepat - Penulisan kata & dan ke sebagai kata depan dan kata sambung. - Perbaiki sampai Bab III. 	
18/02/2022	<ul style="list-style-type: none"> - Perhitungan dan hasil perhitungan tidak menggunakan satuan. - Menggunakan satuan dan fmgkatan (dm, dlk...) 	

TANGGAL	MATERI KONSULTASI	PARAF DOSEN
08/03/2022	<ul style="list-style-type: none"> - Tidak menuliskan nama penulis yang diujuk dalam Daftar Pustaka - Penulisan kata tidak baku. 	lg
25/03/2022	<ul style="list-style-type: none"> - Tambahkan sampul, daftar isi, dan sebagainya. - Penulisan kata tidak baku. 	lg
30/03/2022	<ul style="list-style-type: none"> - Penggunaan huruf kapital tidak tepat. - Penulisan kata tidak baku. 	lg
08/04/2022	<ul style="list-style-type: none"> - Lengkapi dengan artikel dan poster. - Lengkapi poster. 	lg
08/04/2022	<ul style="list-style-type: none"> - Perbaiki artikel. - Lampiran 80% halaman 	lg
10/05/2022	<ul style="list-style-type: none"> - Periksa angka-angka pada Tabel. - Tambahkan jurnal internasional pada artikel dan skripsi. 	lg
23/05/2022	<ul style="list-style-type: none"> - Perbaiki penulisan angka pada lampiran. - Perbaiki artikel. 	lg
27/05/2022	<ul style="list-style-type: none"> - Kata hubung digunakan pada awal kalimat. - Rujukan tidak memenuhi syarat minimal 5 jurnal internasional 	lg
27/06/2022	<ul style="list-style-type: none"> - Perbaiki skripsi, artikel, dan poster. 	Ruf
08/07/2022	<ul style="list-style-type: none"> - Penulisan Latar Belakang belum jelas. - Rumusan Masalah belum tepat. 	Ruf
13/07/2022	<ul style="list-style-type: none"> - Latar Belakang terlalu luas. - Keterkaitan antar paragraf pada Latar Belakang tidak jelas. 	Ruf
22/07/2022	<ul style="list-style-type: none"> - Sumber rujukan tidak lengkap. - Diagram alir tidak sesuai dengan Bab I. 	Ruf
26/07/2022	<ul style="list-style-type: none"> - Penulisan Latar Belakang terlalu panjang. - Tujuan Penelitian tidak sesuai 	Ruf

TANGGAL	MATERI KONSULTASI	PARAF DOSEN
05/08/2022	<ul style="list-style-type: none"> - Tinjauan pustaka kurang. - Jurnal internasional kurang. 	Put
12/08/2022	<ul style="list-style-type: none"> - Hasil penelitian dalam bentuk Tabel atau Grafik tidak dinarasikan. - Perbaiki Bab III; dan Bab IV. 	Pu
18/08/2022	<ul style="list-style-type: none"> - Persamaan yang digambarkan tidak disebutkan pada tubuh teks. - Tambah Tinjauan pustaka. 	Put
24/08/2022	<ul style="list-style-type: none"> - Kesimpulan terlalu panjang. - Perbaiki Bab IV. 	Put
29/08/2022	<ul style="list-style-type: none"> - Periksa secara keseluruhan 	Put Pu
05/09/2022	<ul style="list-style-type: none"> - Acc. 	

Catatan: Lembar konsultasi asli dilampirkan pada satu dokumen skripsi.