

Rencana Anggaran Biaya (RAB) Kebutuhan Bahan dan Alat Praktik OTOTRONIK (TKMP) 2015/2016 dari Masingmasing LAB

No	Nama Alat dan Bahan	Spesifikasi	Satuan	Volume	Prediksi Harga		Abjad Bengkel Kelas X	Abjad Bengkel Kelas XI	Abjad Bengkel Kelas XII	Jumlah	Keterangan
					Satuan (Rp)	Jml (Rp)					
1	X LAB A DCK										
1	Alat Pemadam kebakaran	General	1	Pcs	Rp 1,000,000	Rp 1,000,000	1			1	
2	Kunci Pas	6-24 mm	2	set	Rp 375,000	Rp 750,000	3			3	
3	Kuci Ring	6-24 mm	2	set	Rp 400,000	Rp 800,000	3			3	
4	kunci Pas-Ring	6-24 mm	2	set	Rp 375,000	Rp 750,000	3			3	
5	Kunci Shock	6-32 mm	2	set	R 1,500,000	Rp 3,000,000	3			3	
6	Kunci T 8	Tekiro	2	pc	Rp 50,000	Rp 100,000	3			3	
7	Kunci T 9	Tekiro	2	pc	Rp 50,000	Rp 100,000	3			3	
8	Kunci T 10	Tekiro	2	pc	Rp 50,000	Rp 100,000	3			3	
9	Kunci T 12	Tekiro	2	pc	Rp 50,000	Rp 100,000	3			3	
10	Kunci T 14	Tekiro	2	pc	Rp 50,000	Rp 100,000	3			3	
11	Obeng - Panjang	Tekiro	2	pc	Rp 50,000	Rp 100,000	3			3	
12	Obeng - Panjang	Tekiro	2	pc	Rp 50,000	Rp 100,000	3			3	
13	Stubby +/obeng pendek	Tekiro	2	pc	Rp 50,000	Rp 100,000	3			3	
14	Stubby -/obeng pendek	Tekiro	2	pc	Rp 50,000	Rp 100,000	3			3	
15	Avo Meter Analog	helles	2	pc	Rp 100,000	Rp 200,000	3			3	
16	Avo Meter Digital	helles	2	pc	Rp 100,000	Rp 200,000	3			3	
17	KunciMomen	Britoll	1	pc	Rp 1,500,000	Rp 1,500,000	3			3	
18	Hydro Meter	General	3	pc	Rp 100,000	Rp 300,000	3			3	
2	X LAB B DCK										
1	Alat Pemadam kebakaran	General	1	Pcs	Rp 1,000,000	Rp 1,000,000	1			1	
2	Kunci Pas	6-24 mm	2	set	Rp 375,000	Rp 750,000	3			3	
3	Kuci Ring	6-24 mm	2	set	Rp 400,000	Rp 800,000	3			3	

4	Kunci Pas-Ring	6-24 mm	2	set	Rp 375,000	Rp 750,000	3		3
5	Kunci Shock	6-32 mm	2	set	Rp 1,500,000	Rp 3,000,000	3		3
6	Kunci T 8	Tekiro	2	pc	Rp 50,000	Rp 100,000	3		3
7	Kunci T 9	Tekiro	2	pc	Rp 50,000	Rp 100,000	3		3
8	Kunci T 10	Tekiro	2	pc	Rp 50,000	Rp 100,000	3		3
9	Kunci T 12	Tekiro	2	pc	Rp 50,000	Rp 100,000	3		3
10	Kunci T 14	Tekiro	2	pc	Rp 50,000	Rp 100,000	3		3
11	Obeng + Panjang	Tekiro	2	pc	Rp 50,000	Rp 100,000	3		3
12	Obeng - Panjang	Tekiro	2	pc	Rp 50,000	Rp 100,000	3		3
13	Suby +/- obeng pendek	Tekiro	2	pc	Rp 50,000	Rp 100,000	3		3
14	Suby +/- obeng pendek	Tekiro	2	pc	Rp 50,000	Rp 100,000	3		3
15	Avo Meter Analog	helles	2	pc	Rp 100,000	Rp 200,000	3		3
16	Avo Meter Digital	helles	2	pc	Rp 100,000	Rp 200,000	3		3
17	Hydro Meter	General	3	pc	Rp 100,000	Rp 300,000	3		3
3	XI LAB A								
1	Alat Pemadam kebakaran	General	1	Pes	Rp 1,000,000	Rp 1,000,000	1		1
2	LCB	GEN-Q	1	Unit	Rp 4,000,000	Rp 4,000,000	1		1
3	Kunci Pas	6-24 mm	1	set	Rp 375,000	Rp 375,000	3		3
4	Kunci Ring	6-24 mm	1	set	Rp 400,000	Rp 400,000	3		3
5	Kunci Pas-Ring	6-24 mm	1	set	Rp 375,000	Rp 375,000	3		3
6	Kunci Shock	6-32 mm	1	set	Rp 1,500,000	Rp 1,500,000	3		3
7	Kunci T 8	Tekiro	1	pc	Rp 50,000	Rp 50,000	3		3
8	Kunci T 9	Tekiro	1	pc	Rp 50,000	Rp 50,000	3		3
9	Kunci T 10	Tekiro	1	pc	Rp 50,000	Rp 50,000	3		3
10	Kunci T 12	Tekiro	1	pc	Rp 50,000	Rp 50,000	1		1
11	Kunci T 14	Tekiro	1	pc	Rp 50,000	Rp 50,000	1		1
12	Kunci L segi enam	Tekiro	1	set	Rp 150,000	Rp 150,000	3		3
13	Kunci L bintang	Tekiro	1	set	Rp 150,000	Rp 150,000	3		3
14	Tang Lancip	Tekiro	5	pc	Rp 50,000	Rp 250,000	3		3
15	Tang Kombinasi	Tekiro	5	pc	Rp 50,000	Rp 250,000	3		3

16	Tang Potong/Side Cutting Pliers	Tekiro	5	pc	Rp	50,000	Rp	250,000		3		3	
17	Tang Pengupas Kabel	Tekiro	5	pc	Rp	50,000	Rp	250,000		3		3	
18	Obeng + Panjang	Tekiro	5	pc	Rp	50,000	Rp	250,000		3		3	
19	Obeng - Panjang	Tekiro	5	pc	Rp	50,000	Rp	250,000		2		2	
20	Stubby + obeng pendek	Tekiro	5	pc	Rp	50,000	Rp	250,000		2		2	
21	Stubby - obeng pendek	Tekiro	5	pc	Rp	50,000	Rp	250,000		2		2	
22	Avo Meter Analog	helles	20	pc	Rp	100,000	Rp	2,000,000		2		2	
23	Avo Meter Digital	helles	20	pc	Rp	100,000	Rp	2,000,000		2		2	
24	Feeller Gauge	General	2	pc	Rp	50,000	Rp	100,000		1		1	
25	Snap Ring In Pliers	Tekiro	2	pc	Rp	50,000	Rp	100,000		1		1	
26	Snap Ring Out Pliers	Tekiro	2	pc	Rp	50,000	Rp	100,000		1		1	
27	Palu Plastik	General	2	pc	Rp	50,000	Rp	100,000		2		2	
28	Palu Karet	General	2	pc	Rp	50,000	Rp	100,000		2		2	
29	Palu Konde Sedang	General	2	pc	Rp	50,000	Rp	100,000		1		1	
30	Komponen Electronica	General	500	pc	Rp	10,000	Rp	5,000,000		1		1	
31	PCB	General	500	pc	Rp	15,000	Rp	7,500,000		1		1	
32	Mesin Bor PCB	General	20	pc	Rp	100,000	Rp	2,000,000		1		1	
33	Solder	General	20	pc	Rp	100,000	Rp	2,000,000		1		1	
34	Soldering Atractor	General	20	pc	Rp	50,000	Rp	1,000,000		1		1	
35	Tinol	Paragon	20	pc	Rp	100,000	Rp	2,000,000		1		1	
36	Mistar Baja	general	20	pc	Rp	50,000	Rp	1,000,000		1		1	
37	Adaptor Reset	general	20	pc	Rp	400,000	Rp	8,000,000		1		1	
38	Battery Charger	general	1	Unit	Rp	3,000,000	Rp	3,000,000		1		1	
39	Kompressor	general	1	pc	Rp	2,000,000	Rp	2,000,000		1		1	
40	Lemari	General	2	pc	Rp	1,500,000	Rp	3,000,000		1		1	
41	Project board	General	3	pc	Rp	35,000	Rp	105,000		1		1	
42	Computer	Unit	5	pc	Rp	5,000,000	Rp	5,000,000		1		1	
43	Bateray	General	2	pc	Rp	650,000	Rp	1,300,000		1		1	
44	Gergaji PCB	General	20	pc	Rp	25,000	Rp	500,000		1		1	

45	Perpanjangan Kabel	Roll	1	pc	Rp	50,000	Rp	50,000	1	1	1
46	Trainer pengapian konvensional	Unit	1	pc	Rp	5,000,000	Rp	5,000,000	1	1	1
47	Tune Up kit	Unit	1	pc	Rp	1,200,000	Rp	1,200,000	1	1	1
4	XILAB B										
1	Alat Pemadam kebakaran	General	1	Pes	Rp	1,000,000	Rp	1,000,000	1	1	1
2	Piston ring Expander	General	2	Pes	Rp	250,000	Rp	500,000	1	1	1
3	Piston ring Kompressor	General	2	Pes	Rp	100,000	Rp	200,000	1	1	1
5	XILAB C										
1	Alat Pemadam kebakaran	General	1	Pes	Rp	1,000,000	Rp	1,000,000	1	1	1
2	Trainer JPS Navigasi	General	2	Pes	Rp	2,000,000	Rp	4,000,000	2	2	2
3	charger aki	General	1	unit	Rp	2,000,000	Rp	2,000,000	1	1	1
4	socket banana	General	2	Pes	Rp	5,000	Rp	10,000	2	2	2
5	kabel saroll	General	2	Pes	Rp	200,000	Rp	400,000	2	2	2
6	obeng kecil (+)(-)	General	5	Pes	Rp	25,000	Rp	125,000	5	5	5
7	tespan DC	General	6	Pes	Rp	15,000	Rp	90,000	6	6	6
8	Solder tembak	General	2	Pes	Rp	100,000	Rp	200,000	2	2	2
9	tinol	General	2	Pes	Rp	80,000	Rp	160,000	2	2	2
10	fuse	20 ampere	3	Pes	Rp	5,000	Rp	15,000	3	3	3
11	dispenser	General	1	Pes	Rp	300,000	Rp	300,000	1	1	1
12	kabel perpanjangan	General	1	Pes	Rp	200,000	Rp	200,000	1	1	1
13	lampu kepala	General	5	Pes	Rp	100,000	Rp	500,000	5	5	5
14	lampu single filamen	General	10	Pes	Rp	10,000	Rp	100,000	10	10	10
15	klem accu	General	4	Pes	Rp	60,000	Rp	240,000	4	4	4
16	GPS	General	1	Pes	Rp	1,500,000	Rp	1,500,000	1	1	1
17	switch tombol	General	4	Pes	Rp	30,000	Rp	120,000	4	4	4
18	speaker RR	General	1	Pes	Rp	500,000	Rp	500,000	1	1	1
19	kabel jumper accu	General	6	Pes	Rp	25,000	Rp	150,000	6	6	6
20	tang lancip	Tekiro	2	Pes	Rp	55,000	Rp	110,000	2	2	2
6	XILAB A										

1	Alat Penadami kebakaran	General	1	Pes	Rp	1,000,000	Rp	1,000,000	1	1	1	
2	Trainer Rem Tromol	kijang 5K	2	Unit	Rp	6,000,000	Rp	12,000,000	2	2	2	
3	Trainer Rem Cakram	kijang 5K	2	Unit	Rp	6,000,000	Rp	12,000,000	2	2	2	
4	Trainer Power Steering	kijang 5K	2	Unit	Rp	8,000,000	Rp	16,000,000	2	2	2	
5	Sistem Kemudi Rack And Pinion	kijang 5K	2	Unit	Rp	700,000	Rp	1,400,000	2	2	2	
6	Sistem Kemudi Recirculating Ball	kijang 5K	2	Unit	Rp	700,000	Rp	1,400,000	2	2	2	
7	Caddy Tools	general	3	Unit	Rp	5,000,000	Rp	15,000,000	3	3	3	
10	Tang Betet	general	2	Pes	Rp	150,000	Rp	300,000	2	2	2	
11	Kunci Napel	general	2	Pes	Rp	85,000	Rp	170,000	2	2	2	
7	XII LAB B											
1	Alat Penadami kebakaran	General	1	Unit	Rp	1,000,000	Rp	1,000,000	1	1	1	
2	Scanner EFI	Launch	1	Unit	Rp	25,000,000	Rp	25,000,000	1	1	1	
3	Kunci sok	tekro	2	Unit	Rp	375,000	Rp	750,000	2	2	2	
4	sambungan sok	tekro	5	Unit	Rp	100,000	Rp	500,000	5	5	5	
5	penampun	tekro	10	Unit	Rp	25,000	Rp	250,000	10	10	10	
6	kunci T8	tekro	2	Unit	Rp	25,000	Rp	50,000	2	2	2	
7	kunci T10	tekro	2	Unit	Rp	27,000	Rp	54,000	2	2	2	
8	kunci T12	tekro	2	Unit	Rp	30,000	Rp	60,000	2	2	2	
9	kunci T14	tekro	2	Unit	Rp	30,000	Rp	60,000	2	2	2	
10	Dial indicator + magnetic base	General	2	Pes	Rp	600,000	Rp	1,200,000	2	2	2	
11	palu karet	General	2	Pes	Rp	50,000	Rp	100,000	2	2	2	
12	palu besi	General	2	Pes	Rp	50,000	Rp	100,000	2	2	2	
13	micrometer	25-50	2	Pes	Rp	250,000	Rp	500,000	2	2	2	
14	micrometer	0-25	2	Pes	Rp	250,000	Rp	500,000	2	2	2	
15	vernier caliper	150mmx0,02	2	Pes	Rp	100,000	Rp	200,000	2	2	2	
16	obeng ketok	tekro	2	Pes	Rp	200,000	Rp	400,000	2	2	2	
17	kunci ring	tekro	2	Pes	Rp	375,000	Rp	750,000	2	2	2	
18	kunci kombinasi	tekro	2	Pes	Rp	375,000	Rp	750,000	2	2	2	
19	tang snapping out	tekro	2	Pes	Rp	55,000	Rp	110,000	2	2	2	
20	kunci L	tekro	1	Pes	Rp	100,000	Rp	100,000	1	1	1	

21	v-block + meja perata	General	5	Pes	Rp	1,000,000	Rp	5,000,000	5	5	
22	ragum	General	1	Pes	Rp	750,000	Rp	750,000	1	1	
23	meja kerja	General	2	Pes	Rp	2,000,000	Rp	4,000,000	2	2	
24	automatic transmission mitsubishi	General	1	Unit	Rp	5,000,000	Rp	5,000,000	1	1	
25	manual transmission kijang	General	1	Unit	Rp	2,000,000	Rp	2,000,000	1	1	
26	mobil mitsubishi mirage A/T	General	1	Unit	Rp	-	Rp	-	1	1	
27	trainer suspensi aktif	General	1	Unit	Rp	10,000,000	Rp	10,000,000	1	1	
8	XII LAB C										
1	Alat Pemadam kebakaran	General	1	Pes	Rp	1,000,000	Rp	1,000,000	1	1	
4	Caddy Tools	general	2	Unit	Rp	5,000,000	Rp	10,000,000	2	2	
6	trainer elektrik wiper	general	2		Rp	2,500,000	Rp	5,000,000	2	2	
7	trainer kursi elektrik	general	2		Rp	4,000,000	Rp	8,000,000	2	2	
8	avo digital	helles	5		Rp	100,000	Rp	500,000	5	5	
9	avo anslaug	helles	3		Rp	100,000	Rp	300,000	3	3	
10	obeng +	Tekiro	3		Rp	25,000	Rp	75,000	3	3	
11	Obeng -	Tekiro	3		Rp	25,000	Rp	75,000	3	3	
12	scanner	autoboss elite	1		Rp	35,000,000	Rp	35,000,000	1	1	
13	taspen dc	general	5		Rp	15,000	Rp	75,000	5	5	
14	bateray	general	3		Rp	600,000	Rp	1,800,000	3	3	
9	XII LAB D										
1	LCD	BEN-Q	1	Unit	Rp	4,000,000	Rp	4,000,000	1	1	
2	Alat Pemadam kebakaran	General	1	Pes	Rp	1,000,000	Rp	1,000,000	1	1	
3	Kunci Pas	6-24 mm	2	set	Rp	375,000	Rp	750,000	2	2	
4	Kunci Ring	6-24 mm	2	set	Rp	400,000	Rp	800,000	2	2	
5	kunci Pas-Ring	6-24 mm	2	set	Rp	375,000	Rp	750,000	2	2	
6	Kunci Shock	6-32 mm	2	set	Rp	1,500,000	Rp	3,000,000	2	2	
7	Kunci T 8	Tekiro	2	pc	Rp	50,000	Rp	100,000	2	2	

8	Kunci T 9	Tekiro	2	pc	Rp	50,000	Rp	100,000			2	2	
9	Kunci T 10	Tekiro	2	pc	Rp	50,000	Rp	100,000			2	2	
10	Kunci T 12	Tekiro	1	pc	Rp	50,000	Rp	50,000			1	1	
11	Kunci T 14	Tekiro	1	pc	Rp	50,000	Rp	50,000			1	1	
12	Kunci L segi enam	Tekiro	2	set	Rp	150,000	Rp	300,000			2	2	
13	Kunci L bintang	Tekiro	2	set	Rp	150,000	Rp	300,000			2	2	
14	Tang Lancip	Tekiro	2	pc	Rp	50,000	Rp	100,000			2	2	
15	Tang Kombinasi	Tekiro	2	pc	Rp	50,000	Rp	100,000			2	2	
16	Tang Potong/Side Cutting Pliers	Tekiro	2	pc	Rp	50,000	Rp	100,000			2	2	
17	Tang Pengupas Kabel	Tekiro	2	pc	Rp	50,000	Rp	100,000			2	2	
18	Obeng - Panjang	Tekiro	2	pc	Rp	50,000	Rp	100,000			2	2	
19	Obeng - Panjang	Tekiro	2	pc	Rp	50,000	Rp	100,000			2	2	
20	Stubby +/- obeng pendek	Tekiro	2	pc	Rp	50,000	Rp	100,000			2	2	
21	Stubby +/- obeng pendek	Tekiro	2	pc	Rp	50,000	Rp	100,000			2	2	
22	Avo Meter Analog	helles	2	pc	Rp	100,000	Rp	200,000			2	2	
23	Avo Meter Digital	helles	2	pc	Rp	100,000	Rp	200,000			2	2	
24	Feeller Gauge	General	1	pc	Rp	50,000	Rp	50,000			1	1	
25	Kunci inggris	Tekiro	1	pc	Rp	100,000	Rp	100,000			1	1	
26	Snap Ring In Pliers	Tekiro	1	pc	Rp	50,000	Rp	50,000			1	1	
27	Snap Ring Out Pliers	Tekiro	1	pc	Rp	50,000	Rp	50,000			1	1	
28	Palu Plastik	General	2	pc	Rp	50,000	Rp	100,000			2	2	
29	Palu Karet	General	2	pc	Rp	50,000	Rp	100,000			2	2	
30	Palu Konde Sedang	General	1	pc	Rp	50,000	Rp	50,000			1	1	
31	Solder	General	1	pc	Rp	100,000	Rp	100,000			1	1	
32	Soldering Attractor	General	1	pc	Rp	50,000	Rp	50,000			1	1	
33	Tinol	Paragon	1	pc	Rp	100,000	Rp	100,000			1	1	
34	Mistar Baja	general	1	pc	Rp	50,000	Rp	50,000			1	1	
35	Kabel	general	1	Roll	Rp	200,000	Rp	200,000			1	1	
36	TES PEN DC	general	10	pcs	Rp	15,000	Rp	150,000			10	10	

37	AKI BASAH 40A	GS	4	pcs	Rp	600,000	Rp	2,400,000		4	4	
41	SENTRAL LOCK KIT	general	2	pcs	Rp	350,000	Rp	700,000		2	2	
43	RELAY	HELLA	4	pcs	Rp	45,000	Rp	180,000		4	4	
44	SIKRING	general	20	pcs	Rp	5,000	Rp	100,000		20	20	
45	KUNCI KONTAK	general	5	pcs	Rp	55,000	Rp	275,000		5	5	
46	ALARM KIT	general	1	pcs	Rp	200,000	Rp	200,000		1	1	
48	SAKLAR POWER WINDOW	general	5	pcs	Rp	200,000	Rp	1,000,000		5	5	
49	MOTOR POWER WINDOW	general	2	pcs	Rp	500,000	Rp	1,000,000		2	2	
50	SAKLAR KOMBINASI KIJANG	general	2	pcs	Rp	150,000	Rp	300,000		2	2	
51	SAKLAR KOMBINASI AVANZA	general	2	pcs	Rp	750,000	Rp	1,500,000		2	2	
54	Kabel Perpanjangan	general	1	Pcs	Rp	100,000	Rp	100,000		1	1	
55	Battery Charger	general	1	Unit	Rp	3,000,000	Rp	3,000,000		1	1	
56	Caddy Tools	general	2	Unit	Rp	5,000,000	Rp	10,000,000		2	2	
57	Kompressor	general	1	pc	Rp	2,000,000	Rp	2,000,000		1	1	
	Jumlah						Rp	331,859,000				

Nama SMK : SMK TAMAN KARYA MADYA PERTAMBANGAN KEBUMEN
 Nama Kompetensi Keahlian : TEKNIK OTOTRONIK
 Jumlah Rombel dan siswa : Kelas X
 Nama Ruang Praktik : TEKNIK OTOTRONIK

No	Sub Ruang Praktik	KLS X	Kapasitas Siswa per sub Ruang	Kebutuhan Peralatan Praktik				Peralatan yang dimiliki		kebutuhan	Prioritas
				Jenis	Spesifikasi Utama	Jumlah	Satuan	Jml yg Baik	Jml yg Rusak		
1	LAB. X A	48		Accu	General	6		6		6	0
				Komponen stator	Unit	5		5		5	0
				komponen alternator	Unit	5		5		5	0
				sistem pengapian	Unit	5		5		5	0
				Sistem Penerangan	Unit	5		5		5	0
				busi	General	10		10		10	0
				kabel saluran battery	Biji	10		10		10	0
				kabel penghubung antar terminal	Roll	2		2		5	3
				kabel perpanjangan	5 m	4		4		5	1
				charger Accu	Unit	1		1		5	4
				hydrotester	General	6		6		5	-1
				multitester Analog	Set	3		3		5	2
				condensor	General	3		3		5	2
				Platina	General	3		3		5	2
				Coil	Unit	3		3		5	2
				obeng	+	3		3		5	2
				obeng	-	3		3		5	2
				tespen Ac, Dc	unit	5		5		5	0
				Lampu	unit	10		10		5	
				kawat email	Ø 0,75 mm	10 m		10 m		5	
				tang potong kabel	unit	3		3		5	2
				Japit buaya	set	50		50		5	
				mur dan baut	Ø 6	50		50		5	
				Kunci Shok	Matsu	1		1		5	4

Nama SMK : SMK TAMAN KARYA MADYA PERTAMBANGAN
 : KEBUMEN
 Nama Kompetensi Keahlian : TEKNIK OTOTRONIK
 Jumlah Rombel dan siswa : Kelas X
 Nama Ruang Praktik : TEKNIK OTOTRONIK

No	Sub Ruang Praktik	Kelas	Kapasitas Siswa per sub Ruang	Kebutuhan Peralatan Praktik				Peralatan yang dimiliki		Kebutuhan	Prioritas
				Jenis	Spesifikasi Utama	Jumlah	Satuan	Jml yg Baik	Jml yg Rusak		
2	LAB. X B	48		Multitester Digital	Sunwa	10		10		10	0
				Multitester Analog	Sunwa	10		10		10	0
				Kabel Perpanjangan	3 meter	3		3		10	7
				Bateray	1,2 Volt	20		20		10	
				Kipas Angin tembok	Unit	1		1		10	9
				Kunci kombinasi	Set	2		2		10	8
				Obeng	+	10		10		10	0
				Obeng	-	10		10		10	0
				Mata Bor	Ø 1 mm	10		10		10	0
				Mata Bor	Ø 2 mm	10		10		10	0
				Kunci Shok	Tekiro	1		1		10	9

Nama SMK : SMK TAMAN KARYA MADYA PERTAMBANGAN KEBUMEN
 Nama Kompetensi Keahlian : TEKNIK OTOTRONIK
 Jumlah Rombel dan siswa : Kelas XI
 Nama Ruang Praktik : TEKNIK OTOTRONIK

No	Sub Ruang Praktik	KLS	Kapasitas Siswa per sub Ruang	Kebutuhan Peralatan Praktik				Peralatan yang dimiliki		Kebutuhan	Prioritas
				Jenis	Spesifikasi Utama	Jumlah	Satuan	Jml yg Baik	Jml yg Rusak		
3	LAB. XI A	48		Adaptor		2		2		5	3
				Battery	55D26R-N 50 Z 12 V 60 AH	4		4		5	1
				Bor PCB		5		5		5	0
				Bore Gauge		1		1		5	4
				Cady Toll		2		2		5	3
				Charger Battery	Kent - 250 R	1		1		5	4
				Cutter PCB		0		0		5	5
				Dial Indikator	0.01 mm 0-10mm	4		4		5	1
				Engine stand Honda	Jazz	1		1		5	4
				Engine stand Toyota	Kijang	1		1		5	4
				Engine stand Toyota	Avanza	2		2		5	3
				Feeler gauge	0,05 - 1 mm	4		4		5	1
				Hex Key Long / Kunci L	8 Pes (2, 2.5, 3, 4, 5, 6, 8, 10 mm)	3		3		5	2
				Hydrometer	6, 12, dan 24 Volt	2		2		5	3
				Impact Driver / Obeng Ketok	11 Pes	4		4		5	1
				Iron Hammer / Palu Besi	1-1/2 LB	4		4		5	1
				Iron Hammer / Palu Besi	3/4 LB	4		4		5	1
				Jerigen Bensin	30 Liter	1		1		5	4
				Kabel Perpanjangan	10 meter	2		2		5	3
				Kikir		1		1		5	4
				Kunci Kepala Silinder Bintang	Avanza	2		2		5	3

4	LAB. XI A	48	Kunci Kombinasi	8 - 24 mm 11 Pcs	4	4	4	5	1
			Kunci Ring	6 - 24 mm 8 Pcs	4	4	4	5	1
			Kunci Socket	1/2 " 10 Pcs	4	4	4	5	1
			Kunci T	8 mm	4	4	4	5	1
			Kunci T	10 mm	4	4	4	5	1
			Kunci T	12 mm	4	4	4	5	1
			Kunci T	14 mm	4	4	4	5	1
			Kunci T	17 mm	4	4	4	5	1
			Magnetig Base		4	4	4	5	1
			Mesin Over Houle	Avanza	2	2	2	5	3
			Mesin Over Houle	Kijang	1	1	1	5	4
			Mistar Baja	60 cm	2	2	2	5	3
			Mistar Baja	30 cm	3	3	3	5	2
			Multimeter Digital	A830L	2	2	2	5	3
			Multimeter Digital	DT830D	1	1	1	5	4
			Multimeter Analog	SP - 38 D	2	2	2	5	3
			Nampan		10	10	10	5	-5
			Outside Micrometer	25 - 50 x 0,01 mm	3	3	3	5	2
			Outside Micrometer	50 - 75 x 0,01 mm	4	4	4	5	1
			Outside Micrometer	75 - 100 x 0,01 mm	1	1	1	5	4
			Power Supply		3	3	3	5	2
			Ring Compressor		2	2	2	5	3
			Screw Driver	(+ / -) Short	4	4	4	5	1
			Screw Driver	(-)	4	4	4	5	1
			Screw Driver	(+)	4	4	4	5	1
			Solder	30W-70W AC 220-240V	5	5	5	5	0
			Solder	220V 150W Long	0	0	0	5	5
			Solder Sucker		2	2	2	5	3
			Stand Solder		1	1	1	5	4

		Tang Kombinasi		1	1	1	5	4
		Tang Lancip		1	1	1	5	4
		Tang Potong		1	1	1	5	4
		Temper Torx Wrench / Kunci L bitting	9 Pcs (T 10-T 50)	4		4	5	1
		Tune Up Kit		1	1	1	5	4
		Vernier Caliper	150 x 0.02/6	4		4	5	1
		Wire Stripper And Cutter		4		4	5	1

Nama SMK : SMK TAMAN KARYA MADYA PERTAMBANGAN
 Nama Kompetensi Keahlian : KEBUMEN
 Jumlah Rombel dan siswa : TEKNIK OTOTRONIK
 Nama Ruang Praktik : Kelas XI
 : TEKNIK OTOTRONIK

No	Sub Ruang Praktik	KIS X	Kapasitas Siswa per sub Ruang	Kebutuhan Peralatan Praktik				Peralatan yang dimiliki		Kebutuhan	Prioritas
				Jenis	Spesifikasi Utama	Jumlah	Satuan	Jml yg Baik	Jml yg Rusak		
5	LAB. XI B	48		Kunci Kombinasi	Set	4		4		5	1
				Kunci Ring	Set	4		4		5	1
				Kunci Shock	Set	4		4		5	1
				Impact / Oheng Ketok	Set	4		4		5	1
				Kunci L.	Set	4		4		5	1
				Kunci L. bintang	Set	4		4		5	1
				AVO Meter	Set	5		5		5	0
				Power Supply	5 Ampere	1		1		5	4
				Solder	220 V - 100 W	1		1		5	4
				Solder	30 V - 150 W	1		1		5	4
				Double Manifold	General	2		2		5	3
				Thermometer	General	2		2		5	3
				Magnetic Base	General	4		4		5	1
				Dial Indicator	General	4		4		5	1
				Micro Meter	25 - 50	3		3		5	2
				Micro Meter	50 - 75	4		4		5	1
				Micro Meter	75 - 100	4		4		5	1
				Hydrometer	General	4		4		5	1
				Cutter / Pengupas Kabel	General	2		2		5	3
				Screw Driver	=	4		4		5	1
				Feeler Gauge	General	4		4		5	1

6	LAB. XI A	48	Tang Lancip	General	2		2		3
			Obeng + kecil	General	1		1		4
			Obeng - Besar	General	4		4		1
			Obeng - Besar	General	4		4		1
			Kunci T	8	4		4		1
			Kunci T	10	4		4		1
			Kunci T	12	4		4		1
			Kunci T	14	4		4		1
			Kunci T	17	4		4		1
			Palu Besar	General	4		4		1
			Palu Kecil	General	2		2		3
			Gergaji Besi	General	1		1		4
			GPS Navigasi	Set	1		1		4
			Leak	Unit	2		2		3
			Bateray	12 Volt	7		7		-2
			Trainer Electrical	Unit	2		2		3
			Trainer Central Lock	Unit	2		2		3
6	LAB. XI A	48	Trainer AC	Unit	2		2		3
			Trainer AV	Unit	2		2		3
			Caddy Tool	General	2		2		3
			Kipas Angin	General	1		1		4
			Dispenser	General	1		1		4

Nama SMK : SMK TAMAN KARYA MADYA PERTAMBANGAN KEBUMEN
 Nama Kompetensi Keahlian : TEKNIK OTOTRONIK
 Jumlah Rombel dan siswa : Kelas XII
 Nama Ruang Praktik : TEKNIK OTOTRONIK

No	Sub Ruang Praktik	KLS	Kapasitas Siswa per sub Ruang	Kebutuhan Peralatan Praktik				Peralatan yang dimiliki		Kebutuhan	Prioritas
				Jenis	Spesifikasi Utama	Jumlah	Satuan	Jml yg Baik	Jml yg Rusak		
5	LAB. XII A	48		Kompresor	SWAN, 1/4 HP, 7 kg/cm ²	1		1		2	1
				Selang Kompresor	Kokon. ø8.5mm.Bp200kgf/cm ²	10 M		10 M		2	
				Spregan angin	ATS .DG 10	1		1		2	1
				Tang Kombinasi	PROTECH 8"	3		3		2	
				Tang Incip	PROTECH 6"	3		3		2	
				Tang Snapping	PROTECH 7"	4		4		2	
				Tang Kupas Kabel hijau	PROTECH 101	3		3		2	
				Filler Gauge	100x13 Blatt.0.05-1.00mm	2		2		2	
				Obeng - obeng +	Big Bos, 6x8" my hand	4		4		2	
				Kunci T8	PROTECH	3		3		2	
				Kunci T10	PROTECH	3		3		2	
				Kunci T12	PROTECH	3		3		2	
				Kunci T14	PROTECH	3		3		2	
				Kunci L bintang	PROTECH 9 pcs/set	1 set		1 set		2	
				Kunci L segi lima	PROTECH 9 pcs/set	1set		1set		2	
				Palu besi	PROTECH 11.B	2		2		2	0
				Palu karet	PROTECH	2		2		2	0
				Dial Indikator	YAMAYO, resolution 0.01, range 0,10	1set		1set		2	
				Vernier Caliper	XP toll 150mmx0,05x6"x1/128	2		2		2	0
				Vernier Caliper	150mmx0,02x6"	2		2		2	0

			Micrometer	TRICLE BRAND, 25-50mmx0.01	1		1		2	1
			Kunci Ring	PROTECH 8pcs 6mm-24mm	2set		2set		2	
			Kunci Kombinasi	PROTECH 11pcs 8mm-24mm	2set		2set		2	
			Kunci Sock	MATSU, 1/2"DR set 11pcs	2set		2set		2	
			Stand sistem kemudi		1 unit		1 unit		2	
			Deferensial	kijang	2		2		2	0
			Transmisi otomatis		2		2		2	0
			Transmisi manual	kijang	1		1		2	1
			Kopling konventer		2		2		2	0
			Meja Guru	General	2		2		2	0
			Kursi	General	2		2		2	0
			Lemari Alat	General	1		1		2	1
			LCD Proyektor	View Sonic	1		1		2	1
			Meja siswa	General	15		15		2	-13
			Lemari Dokumen	General	1		1		2	1
			Papan tulis	General	1		1		2	1
			Kabel perpanjangan	10 meter	2		2		2	0
			Mistar Baja	100 cm	1		1		2	1

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LAB. XI A

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Nama SMK : SMK TAMAN KARVA MADYA PERTAMBANGAN
 Nama Kompetensi Keahlian : KEBUMEN
 Jumlah Rombel dan siswa : TEKNIK OTOTRONIK
 Nama Ruang Praktik : Kelas XII
 : TEKNIK OTOTRONIK

No	Sub Ruang Praktik	KLS X	Kapasitas Siswa per sub Ruang	Kebutuhan Peralatan Praktik				Peralatan yang dimiliki		Kebutuhan	Prioritas
				Jenis	Spesifikasi Utama	Jumlah	Satuan	Jml yg Baik	Jml yg Rusak	Jumlah	
6	LAB. XII B	48		Slang Kompresor	10 meter	1		1		3	2
				Obeng -	Big Bos	3		3		3	0
				Obeng +	Big Bos	3		3		3	0
				Paku Karet	Protech	2		2		3	1
				Paku Besi	Protech	2		2		3	1
				Kunci T 8	Protech	3		3		3	0
				Kunci T 10	Protech	3		3		3	0
				Kunci T 12	Protech	3		3		3	0
				Kunci T 14	Protech	3		3		3	0
				Tang Lancip	Protech	3		3		3	0
				Tang Kombinasi	Protech	3		3		3	0
				Tang snap rip normal buka	Protech	2		2		3	1
				Tang snap rip normal tutup	Protech	2		2		3	1
				Tang kupas	Protech	3		3		3	0
				Air Gun	Air Duster	1		1		3	2
				Kunci L Biniang	Protech	1		1		3	2
				Kunci L Segi enam	Protech	1		1		3	2
				Feller gauge	0.05 - 1.00 mm	2		2		3	1
				Kunci Shok	Matsu	2		2		3	1
				Kunci ring	Protech 6 - 24	2 set		2 set		3	
				Kunci Kombinasi	Protech 8 - 24	2 set		2 set		3	

			Dial Indicator	0 - 10 mm	1 Unit	1 Unit	3	
			Magnetic base	Yamayo	1	1	3	2
			Micro Meter	0.25 - 0.50 mm	1	1	3	2
			Vernier Caliper	0.02 mm	2	2	3	1
			Vernier Caliper	0.05 mm	2	2	3	1
			Lenani Alat	General	1	1	3	2
			Lenani Alat Jurusa	General	1	1	3	2
			Lenani Documen	General	1	1	3	2
			LCD Proyektor	View Sonic	1 Set	1 Set	3	
			Meja guru	General	2	2	3	1
6	LAB. XI A	48	Meja Siswa	General	19	19	3	-16

Nama SMK : SMK TAMAN KARYA MADYA PERTAMBANGAN KEBUMEN
 Nama Kompetensi Keahlian : TEKNIK OTOTRONIK
 Jumlah Rombel dan siswa : Kelas XII
 Nama Ruang Praktik : TEKNIK OTOTRONIK

No	Sub Ruang Praktik	Kls X	Kapasitas Siswa per sub Ruang	Kebutuhan Peralatan Praktikum			Peralatan yang dimiliki		Kebunhan	Prioritas
				Jenis	Spesifikasi Utama	Jumlah	Satuan	Jml yg Baik	Jml yg Rusak	
7	LAB. XII C	48		Kompressor	SWAN/ 1/4Hp / 7 Kg/cm ²	1		1	3	2
				Vernier Caliper	150 mm x 0,05 x 6" x 1/128	2		2	3	1
				Vernier Caliper	150 mm x 0,02 x 6" x 0,001	2		2	3	1
				Micrometer	25 - 50 mm x 0,01	1		1	3	2
				Magnetic base	Yamay	1		1	3	2
				Dial indicator	LINKS/ 0,01 mm	1		1	3	2
				Kunci ring	PROTECH/ 6 mm - 24 mm	2		2	3	1
				Kunci kombinasi	PROTECH/ 6 mm - 24 mm	2		2	3	1
				Kunci sok	MATSU/ 1/2" DR, 11 pcs	2		2	3	1
				Tang kombinasi	PROTECH/ 8"	3		3	3	0
				Tang lancip / long nose	PROTECH/ 6"	3		3	3	0
				Tang snap ring	PROTECH/ 7"	4		4	3	-1
				Tang krus kabel	PROTECH	3		3	3	0
				Feeler gauge	PROTECH/ 0,05 - 1,00 mm	2		2	3	1
				Kunci L panjang	PROTECH/ 1,5 - 10 mm / 9 pcs	1		1	3	2
				Kunci L. Bintang	PROTECH/ 1,5 - 10 mm / 9 pcs	1		1	3	2
				Kunci T	8 mm	3		3	3	0
				Kunci T	10 mm	3		3	3	0
				Kunci T	12 mm	3		3	3	0
				Kunci T	14 mm	3		3	3	0
				Pala besi	PROTECH / 1 LB	2		2	3	1
				Pala plastik	PROTECH	2		2	3	1

			Obeng (+)	MY HAND / 6 X 8"	4		4	3	3	-1
			Obeng (-)	BIG BOSS/ 6 X 8"	4		4	3	3	-1
			Air duster gun		1		1	3	3	2
			Selang kompressor	KOKONI/ 8,5 mm, BP200 kg/cm ²	1		1	3	3	2
			Avometer	Whner / YX-360 TR	4		4	3	3	-1
			Solder	MASDA/ 220 -240 V, 25-80 W				3	3	3
			Baterai charger	WIPRO/ PMA X 550 W	1		1	3	3	2
			Mistar baja	100 CM	1		1	3	3	2
			Trainer sistem penerangan		3		3	3	3	0
			Trainer EPS		1		1	3	3	2
			Trainer Power window		2		2	3	3	1
			Trainer Wiper		2		2	3	3	1
			Obeng (+) (-) kecil		2		2	3	3	1