

## APPENDIX 2.1.A: Unit Cost by Work

Breakdown			Unit	Volume	Unit Price(Rp)	Total
	English	Indonesian				
A	Building Work					
I	Foundation (Stone Work & Concrete Work)	Pekerjaan Pasangan dan Beton				
	1 Brick Work 1c : 3 sand	Passangan batu bata 1Pc : 3Ps	m3		230,000	
	2 Brick Work 1c : 3 lime stone : 10 sand	Passangan batu bata 1Pc : 3Kp :10Ps	m3		190,000	
	3 Reinforcement Concrete 1:2:3	Beton bertulang 1:2:3	m3		1,156,000	
	4 Finishing Work / Lime on Concrete	Neut beton	bh		1,500	
	5 Miscellaneous	Lain lain				
II	Wall	Pekerjaan Plestern				
	1 Plaster Work 1c : 3 sand	Plesteran 1Pc : 3Ps	m2		13,500	
	2 Plaster Work 1Pc : 3 lime sand : 10 sand	Plesteran 1Pc : 3Kp : 10Ps	m2		12,500	
	3 Plaster Work / Groove	Plesteran plint jeglog	m		2,000	
	4 Miscellaneous	Lain lain				
III	Floor Work	Pekerjaan Lantai dan Tegel				
	1 Ceramic Floor Tile 30 x 30	Lantai keramik 30 x 30 cm	m2		40,000	
	2 Ceramic wall for Toilet / Shower Room	Dinding keramik untuk KM/WC	m2		40,000	
	3 Ceramic Floor Tile for WC / Shower Rm.	Lantai keramik untuk KM/WC	m2		38,000	
	4 Precast Concrete Tile 20 x 20 cm	Lantai ubin abu-abu 20 x 20 cm	m2		22,000	
	5 Colour PC Tile for Wall on WC/Shower Rm.	Ubin warna untuk dinding KM/WC	m2		22,500	
	6 Miscellaneous	Lain lain				
IV	Roof Work & Ceiling Finishing Work	Pekerjaan Kap dan Plafon				
	1 Roof Frame Work	Kuda-kuda, gording, murplat (kruing)	m3		1,266,000	
	2 Ridge, Valley (Bangkirai type)	Nok, jurai kayu bangkirai	m3		1,341,000	
	3 Batton Work (Carving type)	Usak & reng kayu kruing	m2		20,000	
	4 Timber Facia 2/20 (Carving type)	Lisplank kayu kruing 2/20	m		11,000	
	5 Asbestos Plafond	Plafond eternit	m2		40,000	
	6 Rooftile (Natural type)	Atap genteng natural	m2		15,000	
	7 Ridge Cover Roof Tile	Bubungan genteng beton natural	m		13,500	
	8 Galvanized Steel Corrugated Sheet	Atap seng	m2		55,000	
	9 Asbestos Corrugated Sheet	Atap asbestos	m2		25,000	
	10 Miscellaneous	Lain lain				
V	Door & Window Work	Pekerjaan Kayu dan Kaca				
	1 Wooden Frame 6/12 (Bangkirai type)	Kosen Kayu bangkirai 6/12	m3		1,686,000	
	2 Door Leaf multiplex 6mm thickness	Daun pintu panil multiplek 6mm	m2		115,000	
	3 Door Leaf multiplex Aluminum Cover	Daun pintu panil multiplek lapis aluminum	m2		123,000	
	4 Door Leaf (Glass type) for Pray Room	Daun pintu kaca (mushola)	m2		107,000	
	5 Window Leaf (Glass type) with Bangkirai Timber Frame	Daun jendela kaca rk. Bangkirai	m2		95,000	
	6 Clear Glass 5mm	Kaca bening 5mm	m2		25,000	
	7 Clear Glass 3mm	Kaca bening 3mm	m2		32,000	
	8 Unclear Glass 3mm	Kaca buram 3 mm	m2		25,000	
	9 Louver 2/5 Bangkirai	Krepyak kayu bangkirai 2/5	m3		1,686,000	
	10 Miscellaneous	Lain lain				

Breakdown			Unit	Volume	Unit Price(Rp)	Total
	English	Indonesian				
VI	Ironmonger Work	Pekerjaan Penggantung dan Besi				
	1 Flush Bolt	Kunci tanam 2 x putar (anchor)	bh		43,000	
	2 Bolt Latch	Kunci laboratory (alpha)	bh		43,000	
	3 Lock Set for Door	Kunci pintu	bh		75,000	
	4 Hinges for Door	Engsel pintu	bh		8,000	
	5 Hinges for Window	Engsel jendela	bh		6,000	
	6 Friction Stay	Kait angin jendea	bh		6,000	
	7 Barrel Bolt	Grendel tanam	set		16,000	
	8 Barrel Bolt for Window	Grendel jendela	bh		4,000	
	9 Handle for Window	Handle jendela	bh		3,500	
	10 Window Protection (Steel)	Teralls besi siku strip plat	kg		10,500	
	11 Miscellaneous	Lain lain				
VII	Painting Work	Pekerjaan Cat-Catan				
	1 Wall Paint (Emulsion Paint)	Cat dinding	m2		10,500	
	2 Ceiling Paint (Emulsion Paint)	Cat plafond	m2		10,500	
	3 Wooden Paint (Oil Paint)	Cat kayu	m2		15,000	
	4 Miscellaneous	Lain lain				
VIII	Electrical Installation Work	Pekerjaan Instalasi Listrik				
	1 Power Point	Stop kontak	bh		5,400	
	2 Bulb Lamp 25/40 W	Lampu pijar 25/40W	bh		3,800	
	3 Single Switch	Saklar tunggal	bh		3,800	
	4 Double Switch	Saklar ganda	bh		5,400	
	5 Water Pump	Pump	bh		750,000	
	6 Miscellaneous	Lain lain				
IX	Plumbing Instalation and Sanitary Work	Pekerjaan Instalasi Air dan Sanitair				
	1 Water Supply Instalation	Instalasi air bersih dalam bangunan	ls		1,336,000	
	2 Waste Water Instalation	Instalasi air kotor dalam bangnan	ls		1,125,000	
	3 Bib Tap	Kran air (handle)	bh		12,300	
	4 Wash Basin	Wastafel	bh		153,300	
	5 Squatting WC	Kloset jongkok (porselin)	bh		123,000	
	6 Water Tower, Water Pump and Installation	Pekerjaan Menara Air + Instalasi	ls		2,184,000	
	7 PVC pipe D1 · 1/4"	Pipa paralon D1 · 1/4"	m		42,000	
	8 PVC pipe D 1"	Pipa paralon D1"	m		455,000	
	9 Septic tank and Waste Water absorption	Septiktank & peresapan	unit		800,000	
	10 Water Tank with Terrazzo finish / Brick work with paint	Bak air teraso / pas. Bata di cat	bh		76,500	
	11 Floor Drain	Floordtrain	bh		20,000	
	12 Urinal with Brick Work	Urnoir pas. Bata	m		76,500	
	13 Miscellaneous	Lain lain				

Breakdown			Unit	Volume	Unit Price(Rp)	Total
	English	Indonesian				
B	External Work					
1	Line Setting	Uitzet dan bouwplank	m		5,000	
2	Excavation	Galian Tanah	m3		8,000	
3	Backfilling (Bottom)	Urug Tanah Kembali	m3		7,000	
4	Backfilling (Surface)	Urugan Tanah urug	m3		22,200	
5	Filling Compacted sand	Urugan pasir urug	m3		37,500	
6	Filing Sand	Urgan Pasir Pasang	m3		46,000	
7	Crushed Stone	Pasangan Batu Kosong	m3		78,000	
8	Stone River Foundation	Pasangan batu belah (1Pc: 3Kp: 10Ps)	m3		189,000	
9	Brick Wall	Pasangan batu bata (1Pc: 3Ps)	m3		23,000	
10	Brick Wall	Pasangan batu bata (1Pc: 3Kp: 10Ps)	m3		190,000	
11	Concrete (Plain)	Pasangan Beton (1Pc: 3Ps: 5Kr)	m3		257,500	
12	Rein forced Concrete 1 : 2 : 3	Pas.Beton Bertulang 1 : 2 : 3	m3		1,156,000	
13	Plaster Work	Plesteran (1:03)	m2		13,500	
14	Plaster Work	Plesteran (1:03:10)	m2		25,000	
15	Mortar Corner	Sponengan	m		2,300	
16	Gravel Layer	Rabat Kerikil	m2		9,800	
17	Paving Block Floor	Lantai Paving Block	m2		33,700	
18	Control Hole (Pit)	Bak Kontrol (40 x 40)	bh		78,400	
19	Precast Concrete Channel U-30	Pas.saluran buis beton (U30 lengkap)	m		70,000	
20	Precast Concrete Channel o-30	Pas.saluran buis beton (o30 lengkap)	m		77,000	
21	Precast Concrete Channel U-20	Buis beton (U 20 Cm)	m		15,000	
22	Precast Concrete Channel o-20	Buis beton (o 20 Cm)	m		25,000	
23	Window Protection (Steel)	Teralls besi siku strip plat	kg		10,500	
24	Wire Fence	Kawat duri	kg		22,100	
25	Wooden Paint	Cat Kayu	m2		15,000	
26	Wall Paint	Cat Tembok Pada Dinding	m2		10,500	
27	Brick Work for Curbstone	Kansten/tepel pas. Batu bata	m		17,500	
28	Gravel Cover for Road Surface	Hamparan Kerikil pada Jalan	m2		9,800	
29	Miscellaneous	Lain lain				
TOTAL						

\* Unit Prices include material and installation cost

Abbreviation: bh : pcs.

## APPENDIX 2.1.B: Basis of Calculation for Cost Breakdown

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NO	BREAKDOWN		UNIT	UNIT PRICE (Rp.)
	ENGLISH	INDONESIAN		
1	<b>EXCAVATION WORK</b>	<b>GALIAN TANAH</b>		
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
2	<b>BACKFILLING</b>	<b>URUGAN KEMBALI</b>		
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
3	<b>BACKFILL BY NEW SOIL</b>	<b>URUGAN TANAH</b>		
	FILLING SOIL	- TANAH URUG	M3	12,500
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
4	<b>SAND FILL</b>	<b>URUGAN PASIR</b>		
	SAND FILL	- PASIR URUG	M3	27,500
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
5	<b>STONE FILLING FOUNDATION</b>	<b>TIMBRISAN BATU KOSONG</b>		
	STONE	- BATU KALI	M3	45,000
	SAND FILL	- PASIR URUG	M3	27,500
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
6	<b>FOUNDATION</b>	<b>PASANGAN PONDASI</b>		
	SAND FILLING	- PASIR PASANG	M3	27,500
	STONE	- BATU KALI	M3	45,000
	CEMENT @50 KG	- SEMEN @50 KG	ZAK	20,000
	MASONRY	- TUKANG BATU	OH	13,000
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
7	<b>CONCRETE WORK</b>	<b>BETON TUMBUK</b>		
	SAND	- PASIR PASANG	M3	27,500
	GRAVEL	- BATU KERIKIL	M3	20,000
	CEMENT @50 KG	- SEMEN @50 KG	ZAK	20,000
	MASONRY	- TUKANG BATU	OH	13,000
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
8	<b>A. REINFORCED CONCRETE</b>	<b>A. BETON BERTULANG</b>		
	SAND	- PASIR PASANG	M3	27,500
	GRAVEL	- BATU KERIKIL	M3	20,000
	CEMENT @50 KG	- SEMEN @50 KG	ZAK	20,000
	MASONRY	- TUKANG BATU	OH	13,000
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
	<b>B. REINFORCEMENT BAR WORK</b>	<b>B. PEKERJAAN BESI</b>		
	IRON BAR WORKER	- TUKANG BESI	OH	13,000
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	IRON BAR FOR CONCRETE	- BESI BETON	KG	3,750
	WIRE MESH FOR CONCRETE	- KAWAT BETON	KG	7,500

NO	BREAKDOWN		UNIT	UNIT PRICE (Rp.)
	ENGLISH	INDONESIAN		
9	<b>C. FORM WORK</b>	<b>C. CETAKAN BETON (BEKESTING)</b>		
	WOODEN FORM FOR CONCRETE	- KAYU / PAPAN MAL (KAYU KELAS III)	M3	500,000
	NAIL	- PAKU	KG	15,000
	CARPENTER	- TUKANG KAYU	OH	12,500
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
	<b>D. CONCRETE CASTING</b>	<b>D. MEMBONGKAR / MENYIRAM BETON</b>		
	WORKER	- PEKERJA	OH	7,500
	<b>WALL WORK 1:3</b>	<b>PASANGAN DINDING 1:3</b>		
10	SAND	- PASIR PASANG	M3	27,500
	BRICK	- BATU BATA	M3	200
	CEMENT @50 KG	- SEMEN @50 KG	ZAK	20,000
	MASONRY	- TUKANG BATU	OH	13,000
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
	<b>WALL WORK 1:5</b>	<b>PASANGAN DINDING 1:5</b>		
	SAND	- PASIR PASANG	M3	27,500
	BRICK	- BATU BATA	M3	200
11	CEMENT @50 KG	- SEMEN @50 KG	ZAK	20,000
	MASONRY	- TUKANG BATU	OH	13,000
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
	<b>WALL PLASTER 1:3</b>	<b>PLESTERAN DINDING 1:3</b>		
	SAND	- PASIR PASANG	M3	27,500
	CEMENT @50 KG	- SEMEN @50 KG	ZAK	20,000
	MASONRY	- TUKANG BATU	OH	13,000
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
12	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
	<b>WALL PLASTER 1:5</b>	<b>PLESTERAN DINDING 1:5</b>		
	SAND	- PASIR PASANG	M3	27,500
	CEMENT @50 KG	- SEMEN @50 KG	ZAK	20,000
	MASONRY	- TUKANG BATU	OH	13,000
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
	<b>UNDER COAT</b>	<b>ACIAN</b>		
13	LIME	- KAPUR PASANG	M3	45,000
	SAND	- PASIR PASANG	M3	27,500
	CEMENT @50 KG	- SEMEN @50 KG	ZAK	20,000
	MASONRY	- TUKANG BATU	OH	13,000
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500

NO	BREAKDOWN		UNIT	UNIT PRICE (Rp.)
	ENGLISH	INDONESIAN		
14	<b>CERAMIC TILE FOR WALL 10X20 CM</b> SAND CERAMIC TILE 10X20 CM CEMENT @50 KG WHITE CEMENT MASONRY HEAD WORKER WORKER FOREMAN	<b>PAS, DINDING KERAMIK 10X20 CM</b> - PASIR PASANG - KERAMIK 10X20 CM - SEMEN @50 KG - SEMEN PUTIH - TUKANG BATU - KEPALA TUKANG - PEKERJA - MANDOR	M3 DOS ZAK ZAK OH OH OH OH	27,500 27,000 20,000 40,000 13,000 15,000 7,500 12,500
15	<b>CERAMIC TILE FOR WALL 30X30 CM</b> SAND CERAMIC TILE 30X30 CM CEMENT @50 KG WHITE CEMENT MASONRY HEAD WORKER WORKER FOREMAN	<b>PAS, DINDING KERAMIK 30X30 CM</b> - PASIR PASANG - KERAMIK 30X30 CM - SEMEN @50 KG - SEMEN PUTIH - TUKANG BATU - KEPALA TUKANG - PEKERJA - MANDOR	M3 DOS ZAK ZAK OH OH OH OH	27,500 28,000 20,000 40,000 13,000 15,000 7,500 12,500
16	<b>WOODEN FRAME FIRST CLASS</b> 1st CLASS WOOD CARPENTER HEAD WORKER WORKER FOREMAN	<b>KOZEN KAYU KELAS I</b> - KAYU KELAS I - TUKANG KAYU - KEPALA TUKANG - PEKERJA - MANDOR	M3 OH OH OH OH	650,000 12,500 15,000 7,500 12,500
17	<b>DOOR LEAF</b> 1st CLASS WOOD MOULDING CARPENTER HEAD WORKER WORKER FOREMAN	<b>DAUN PINTU PANEL</b> - KAYU KELAS I - PROFIL SUDUT / SPOORING - TUKANG KAYU - KEPALA TUKANG - PEKERJA - MANDOR	M3 M1 OH OH OH OH	650,000 350 12,500 15,000 7,500 12,500
18	<b>GLASS WINDOW LEAF</b> 1st CLASS WOOD GLASS WITH FILM 5MM CARPENTER HEAD WORKER WORKER FOREMAN	<b>DAUN JENDELA KACA</b> - KAYU KELAS I - KACA RAYBAN 5 MM - TUKANG KAYU - KEPALA TUKANG - PEKERJA - MANDOR	M3 M2 OH OH OH OH OH	650,000 32,000 12,500 15,000 7,500 12,500
19	<b>WOODEN LOUVER</b> 2nd CLASS WOOD NAIL CARPENTER HEAD WORKER WORKER FOREMAN	<b>VENTILASI JALUSI KAYU</b> - KAYU KELAS II - PAKU - TUKANG KAYU - KEPALA TUKANG - PEKERJA - MANDOR	M3 KG OH OH OH OH OH	375,000 15,000 12,500 15,000 7,500 12,500
20	<b>WOODEN CEILING SUSPENSION</b> 2nd CLASS WOOD NAIL CARPENTER HEAD WORKER WORKER FOREMAN	<b>KUDA-KUDA</b> - KAYU KELAS II - PAKU - TUKANG KAYU - KEPALA TUKANG - PEKERJA - MANDOR	M3 KG OH OH OH OH OH	375,000 15,000 12,500 15,000 7,500 12,500

NO	BREAKDOWN		UNIT	UNIT PRICE (Rp.)
	ENGLISH	INDONESIAN		
21	<b>GALVANIZED IRON CORRUGATED SHEET</b> IRON CORRUGATED SHEET NAIL CARPENTER HEAD WORKER WORKER	<b>ATAP SENG</b> - SENG GELOMBANG BJLS 20 - PAKU SENG - TUKANG KAYU - KEPALA TUKANG - PEKERJA	LBR BH OH OH OH	26,500 15,000 12,500 15,000 7,500
22	<b>WOODEN MOULDING FOR CEILING</b> 2nd CLASS WOOD NAIL CARPENTER HEAD WORKER WORKER FOREMAN	<b>LISTPLANK PAPAN</b> - KAYU KELAS II - PAKU - TUKANG KAYU - KEPALA TUKANG - PEKERJA - MANDOR	M3 KG OH OH OH OH	375,000 15,000 12,500 15,000 7,500 12,500
23	<b>RIDGE IRON SHEET</b> GARVANIZED IRON SHEET 2nd CLASS WOOD NAIL CARPENTER HEAD WORKER WORKER FOREMAN	<b>NOK SENG</b> - SENG PLAT BJLS 20 - PAPAN KELAS II - PAKU - TUKANG KAYU - KEPALA TUKANG - PEKERJA - MANDOR	LBR M3 KG OH OH OH OH	17,500 375,000 15,000 12,500 15,000 7,500 12,500
24	<b>CEILING FRAME</b> 2nd CLASS WOOD NAIL CARPENTER HEAD WORKER WORKER FOREMAN	<b>RANGKA PLAFOND</b> - KAYU KELAS II - PAKU - TUKANG KAYU - KEPALA TUKANG - PEKERJA - MANDOR	M3 KG OH OH OH OH	375,000 15,000 12,500 15,000 7,500 12,500
25	<b>CEILING BOARD (PLYWOOD)</b> PLYWOOD PLYWOOD NAIL CARPENTER HEAD WORKER WORKER FOREMAN	<b>PLAFOND TRIPLEX</b> - TRIPLEX - PAKU TRIPLEX - TUKANG KAYU - KEPALA TUKANG - PEKERJA - MANDOR	LBR KG OH OH OH OH	29,000 15,000 12,500 15,000 7,500 12,500
26	<b>WALL / CEILING PAINT</b> WALL PAINT SUPPORTING TOOL PAINTER HEAD WORKER WORKER FOREMAN	<b>CAT DINDING / PLAFOND</b> - CAT TEMBOK - ALAT BANTU - TUKANG CAT - KEPALA TUKANG - PEKERJA - MANDOR	KG OH OH OH OH OH	12,000 3,500 12,500 15,000 7,500 12,500
27	<b>WOODEN PAINT</b> FINISHING COAT BASE COAT PAINTER HEAD WORKER WORKER FOREMAN	<b>CAT KAYU</b> - CAT MENGKILAP - CAT DASAR - TUKANG CAT - KEPALA TUKANG - PEKERJA - MANDOR	KG KG OH OH OH OH	24,000 9,005 12,500 15,000 7,500 12,500

NO	BREAKDOWN		UNIT	UNIT PRICE (Rp.)
	ENGLISH	INDONESIAN		
28	<b>POLISHED VERNISH PAINT</b>	<b>CAT POLITUR VERNIS</b>		
	POLISH PAINT	- CAT POLITUR	KG	20,000
	THINNER	- MINYAK CAT	KG	15,000
	PAINTER	- TUKANG CAT	OH	12,500
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
29	<b>STEEL PAINT</b>	<b>CAT MENY ATAP SENG</b>		
	STEEL PAINT	- CAT MENY BESI	KG	26,500
	SUPPORTING TOOL	- ALAT BANTU	OH	3,500
	PAINTER	- TUKANG CAT	OH	12,500
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500
30	<b>WOODEN BASE PAINT</b>	<b>CAT MENY KAYU</b>		
	WOODEN BASE PAINT	- CAT MENY KAYU	KG	23,000
	SUPPORTING TOOL	- ALAT BANTU	OH	3,500
	PAINTER	- TUKANG CAT	OH	12,500
	HEAD WORKER	- KEPALA TUKANG	OH	15,000
	WORKER	- PEKERJA	OH	7,500
	FOREMAN	- MANDOR	OH	12,500

Abbreviation : OH : per day  
 KRG : bag  
 ZAK : package  
 LBR : sheet  
 DOS : box  
 BH : pcs

## APPENDIX 2.1.C: Material Cost

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NO	BREAKDOWN		UNIT	UNIT PRICE
	ENGLISH	INDONESIA		
<b>A</b>	<b>SALARY</b>	<b>UPAH</b>		
1	FOREMAN	MANDOR	OH	12,500
2	HEAD WORKER	KEPALA TUKANG	OH	15,000
3	MASONRY	TUKANG BATU	OH	13,000
4	WORKER	PEKERJA	OH	7,500
<b>B</b>	<b>LOCAL MATERIAL</b>	<b>BAHAN LOKAL</b>		
1	SAND BASE	PASIR PASANG	M3	27,500
2	SAND FILL	PASIR URUG	M3	27,500
3	BACKFILL	TANAH URUG	M3	12,500
4	STONE	BATU KALI	M3	45,000
5	GRAVELL	BATU KERIKIL	M3	20,000
6	BRICK	BATU BATA	M3	200
7	LIME	KAPUR PASANG	M3	45,000
8	WOOD 1ST CLASS	KAYU KELAS I	M3	650,000
9	WOOD 2ND CLASS	KAYU KELAS II	M3	375,000
10	WOOD 3RD CLASS	KAYU KELAS III	M3	300,000
11	MOULDING	PROFIL SUDUT / SPOORING	M1	350
<b>C</b>	<b>NON LOCAL MATERIAL</b>	<b>BAHAN NON LOKAL</b>		
1	CEMENT @50 KG	SEMEN @50 KG	ZAK	20,000
2	WHITE CEMENT	SEMEN PUTIH	ZAK	40,000
3	REINFORCEMENT BAR	BESI BETON	KG	3,750
4	REINFORCEMENT WIRE	KAWAT BETON	KG	7,500
5	NAIL	PAKU	KG	15,000
6	NAIL FOR IRON SHEET	PAKU SENG	KG	15,000
7	PLYWOOD NAIL	PAKU TRIPLEX	KG	15,000
8	BOLT & NUT	MUR BAUT / BEUGEL	SET	7,500
9	CORRUGATED IRON SHEET	SENG GELOMBANG BJLS 20	LBR	26,500
10	FLAT IRON SHEET	SENG PLAT BJLS 20	LBR	17,500
11	PLYWOOD	TRIPLEX 2.8 MM	LBR	29,000
12		PROFIL SP. 4	M'	2,500
13	CERAMIC 10X20 CM	KERAMIK 10X20 CM	DOS	27,000
14	CERAMIC 30X30 CM	KERAMIK 30X30 CM	DOS	28,000
15	LEVER HANDLE	KUNCI 2 LEVERS	BH	42,500
16	CUPBOARD KEY	KUNCI LEMARI	BH	7,500
17	BRASH BARREL	GRENDDEL KUNINGAN	BH	9,000
18	BRASH HINGES FOR WINDOW 3"	ENGSEL JENDELA KUNINGAN 3"	BH	4,000
19	BRASH HINGES FOR DOOR 4"	ENGSEL PINTU KUNINGAN 4"	BH	5,000
20	HINGES FOR CUPBOARD	ENGSEL LEMARI	BH	2,000
21	WINDOW KNOB	TARIKAN JENDELA	BH	2,500
22	FRICTION STAY	KAIT ANGIN	BH	5,000
23		EXPANYOLET TANAM	BH	15,000
24	CLEAR GLASS 4.5MM	KACA POLOS 4.5 MM	M2	27,500
25	RAYBAN GLASS 5 MM	KACA RAYBAN 5 MM	M2	32,000
26	WALL PAINT	CAT TEMBOK	KG	12,000
27	GLOSS PAINT	CAT MENGKILAP	KG	24,000
28	STEEL PAINT	CAT MENY BESI	KG	26,500
29	WOODEN PAINT	CAT MENY KAYU	KG	23,000
30	POLISH PAINT	CAT POLITUR	KG	20,000
31	THINNER	MINYAK CAT	KG	15,000
32	PUTTY	RESIDU	KG	7,500
33	SAND PAPER	KERTAS PASIR	LBR	1,000
34	PVC PIPE DIA. 4"	PIPA PVC DIA. 4"	M'	18,000
35	PVC PIPE DIA. 3"	PIPA PVC DIA. 3"	M'	12,000
36	GALVANIZED PIPE 1/2"	PIPA GALVANIS DIA. 1/2"	M'	7,250
37	GALVANIZED PIPE 3/4"	PIPA GALVANIS DIA. 3/4"	M'	8,500
38	IRON 14"	BESI 14"	BH	5,000
39	SITTING WC	CLOSET DUDUK (KIA)	BH	750,000
40	SQUATTING WC	CLOSET JONGKOK (KIA)	BH	95,000
41	COMPLETE WASH BASIN	WASTAFEL LENGKAP	BH	175,000
42	WATER FORCET	MATA KRAN	BH	17,500
43	FLOOR DRAIN	FLOOR DRAIN	BH	19,000
44	SEPTIC TANK	SEPTIC TANK	UNIT	350,000
45	WASTE WATER ABSORPTION	PERESAPAN	BH	250,000
46	WATER TANK	BAK AIR	BH	90,000
47	FLUORESCENCE LAMP	LAMPU TL BAMBU 40 WATT	BH	50,000
48	BULP LAMP 40 WATT	LAMPU PIJAR 40 WATT	BH	10,000
49	SINGLE SWITCH	SAKLAR TUNGGAL	BH	10,000
50	DOUBLE SWITCH	SAKLAR GANDA	BH	15,000
51	POWER POINT	STOP KONTAK	BH	12,000
52	DISTRIBUTION PANEL (2 GROUP)	PANEL DISTRIBUSI (2 GROUP)	UNIT	45,000

Abbreviation : OH : per day  
KRG : bag

LBR : sheet  
DOS : box

ZAK: package  
BH : pcs

## APPENDIX 2.1.D: Standard Price for Furniture for SLTP

	English	Indonesian	Specification	Unit Price (Rp)
1	Desk for Student	Meja Siswa	65 Cm x 55 Cm x 71 Cm(h) Wooden 2nd class, Polish fin.	81,500
2	Chair for Student	Kursi Siswa	40 Cm x 40 Cm x 90 Cm(h) Wooden 2nd class, Polish fin.	53,500
3	Working Chair	Kursi Kerja	45 Cm x 47 Cm x 84 Cm(h) Wooden 2nd class, Vinyl Seat	77,000
4	Cupboard	Lemari Buku	126 Cm x 50 Cm x 204 Cm(h) Wooden 2nd class, Sliding Door w/Glass 3mm, Polish fin.	351,500
5	Cupboard (Glass)	Lemari Kaca	140 Cm x 120 Cm x 180 Cm(h) Wooden 2nd class, Sliding Door w/Glass 3mm, Polish fin.	323,500
6	Document Rack	Lemari Arsip	60 Cm x 120 Cm x 180 Cm(h) Wooden 2nd class, Sliding Door Plywood, Polish fin.	298,000
7	Book Rack	Rak Buku	60 Cm x 120 Cm x 180 Cm(h) Wooden 2nd class, w/Divider Polish fin.	229,000
8	Book Rack	Rak Buku	45 Cm x 120 Cm x 180 Cm(h) Wooden 2nd class, Polish fin.	173,000
9	Flag Pole	Tungku Tiang Bendera	80 Cm x 50 Cm x 40 Cm(h)	98,000
10	Notice Board	Papan Pameran	240 Cm x 10 Cm x 114 Cm(h) Wooden, Cover Glass 3mm	148,000
11	White Board	White Board	65 Cm x 136 Cm x 185 Cm(h) Wooden 2nd class, Stand Type Covered by white porselen	303,000
12	Speech Desk	Podium	70 Cm x 90 Cm x 120 Cm(h) Wooden 2nd class, Polish fin.	200,000
13	Multifunction Table	Meja Serbagna	140 Cm x 70 Cm x 87 Cm(h) Wooden 2nd class, Polish fin.	50,000
14	Head's Table	Meja Pimpinan	155 Cm x 80 Cm x 73 Cm(h) Wooden 2nd class, Polish fin.	150,000
15	Working Table	Meja Kerja	120 Cm x 60 Cm x 73 Cm(h) Wooden 2nd class, Polish fin.	75,000
16	Teacher's Table	Meja Guru	75 Cm x 60 Cm x 73 Cm(h) Wooden 2nd class, Polish fin.	40,000
17	Guest's Table	Meja Tamu	75 Cm x 60 Cm x 50 Cm(h) Crome coated Steel, Glass Top	75,000
18	Round Short Chir	Bangku Bundar Pendek	40(28 top) Cm $\phi$ x 42 Cm ( h ) Steel Leg O.P. fin., Wooden Seat	25,000
19	Head's Chair	Kursi Pimpinan	55 Cm x 55 Cm x Adjustable (h) Crome coated Steel, w/Caster	250,000
20	Guest's Chair	Kursi Tamu	55 Cm x 55 Cm x 73 Cm(h) Wooden 2nd class, Polish fin. Vynil Leather Seat	50,500
21	Black Board	Papan Tulis Gantung	240 Cm x 120 Cm	40,000
22	Hanging White Board	White Board Gantung	240 Cm x 120 Cm	40,000
23	Statistic Board	Papan Statistic	240 Cm x 120 Cm	50,000
24	Schedule Board	Papan Jadwal	60 Cm x 40 Cm	25,000
25	Book Case	Lemari Buku	120 Cm x 60 Cm x 180 Cm(h) Wooden 2nd class, Polish fin. Sliding Door w/Glass 3mm	172,500
26	Sliding Glass Case	Lemari Kaca Geser	120 Cm x 40 Cm x 180 Cm(h) Wooden 2nd class, Polish fin. Sliding Door w/Glass 3mm	172,500
27	Filing Cabinet	Lemari Arsip	120 Cm x 60 Cm x 120 Cm(h) Wooden 2nd class, Polish fin. w/Wooden Door	200,000
28	Docuent Case	Lemari Pembatas	120 Cm x 37 Cm x 180 Cm(h) Wooden 2nd class, Polish fin.	150,000
29	Steel Locker	Lemari Besi	91 Cm x 46 Cm x 183 Cm(h) Steel 0.08mm, Baked Meramine fin.	300,000
30	Locker	Lemari Locker	80 Cm x 80 Cm x 180 Cm(h) Wooden 2nd class, Polish fin. Hinged Door w/Glass 3mm	200,000
31	Filing Cabinet with 2 Drawer	Filling Cabinet 2 Laci	46 Cm x 62 Cm x 71 Cm(h) Steel 0.08mm, Baked Meramine fin.	200,000

## APPENDIX 2.1.E: Guideline of Unit Price

(Guideline of Unit Price (m<sup>2</sup>) for the construction of government building 1999/2000)

(Thousand Rupiah)

No.	Area (District)	Multi-story Building			Single-story Building			Residence for Government Officials		
		A	B	C	A	B	C	250 (M2)	120 (m2)	36/50/70 (m2)
1	DKI JAKARTA	1,406	1,256	942	1,252	1,118	839	864	779	755
2	CENTRAL JAWA									
	1.Kabupaten Semarang	1,271	1,135	851	1,103	985	739	786	708	687
	2.Kabupaten Brebes	1,244	1,111	833	1,046	934	701	759	684	664
	3.Kabupaten Demak	1,299	1,160	870	1,150	1,027	770	801	722	700
	4.Kabupaten Klaten	1,243	1,110	833	1,079	963	722	731	659	639
	5.Kabupaten Wonosobo	1,276	1,139	855	1,086	969	727	799	720	698
3	NORTH SULAWESI									
	1.Kotip Bitung	1,321	1,180	885	1,106	988	741	793	714	693
	2.Kabupaten Minahasa	1,277	1,140	855	1,067	952	714	751	676	656

\* Prices are the ceiling of unit price by square meter.

\* Category C shall be applied to the School buildings.

## APPENDIX 2.2.A: Explanation of the KNS Questionnaire

### Section A. School/Madrasah Identification

The School/Madrasah Identification section consists of geographical location and identification information, including a unique identification code known as NSS (Nomor Statistik Sekolah/Madrasah) for each school based on a concatenated string of individual codes. The 12 character string is made up of five codes and a unique identifier based on numerical order of assignment (example follows).

NSS = 211322030123

#### Analysis of School NSS

NSS	2	1	1	3	2	2	0	3	0	1	2	3
Character Number	1	2	3	4	5	6	7	8	9	10	11	12
Code Block Number	1		2	3		4		5		6		
Meaning of Code	Type of School		Public/Private	Province Code		District Code		Sub-district Code		Sequential Unique Identification		

Through this number data can be processed for analysis at individual school level, can be aggregated to three regional levels, school type, and/or public or private schools. Alternatively analysis is enabled at any combination of the above groupings (for example a specific set of data could be extracted from the overall database such as all private, Madrasah in the district of Tangerang, West Java) based on this number. This code is useful also for Geographical Information System (GIS) developments. Data can be geocoded to each regional level based on the regional codes. Alternatively, future development could include GPS<sup>1</sup> surveys in which each NSS is assigned a coordinate location (latitude & longitude) in two additional database records. Accurate points representing schools can then be created on a map for regional planning, or research about access to schools in GIS for example. Furthermore, the NSS can then be used to geocode the individual school data, attaching the individual data records to the school locations for regional analysis or planning activities, such as re-assigning teachers from schools with excess to others that may be in close proximity with shortages.

The school identification section also provides spaces to record the following information as presented in the following table.

Q.	Data Requested	Explanation
1a	School/Madrasah name	Open ended (complete name)
1b	School/Madrasah grouping: only for vocational schools	Closed: School specialty grouping – 6 choices are offered, from which up to 3 alternatives can be selected based on the school specialty. 1. Agriculture and Forestry 2. Technology and Industrial 3. Business and Management 4. Community/Social Welfare 5. Tourism 6. Arts and Handicrafts
2a 2b 2c 2d	School/Madrasah Address /contact details	Open ended, includes spaces for recording street name, village name, location (urban/rural, closed: chose 1 or 2), sub-district (Kecamatan) name, Urban/rural district/municipality name (Kab/Kodya/Kotif), Province (Propinsi) name, telecommunications area code, telephone and fax number, and

<sup>1</sup> GPS, Global Positioning System

2e 2f 2g		postcode.
3	Form of School/Madrasah	Closed: About model the school is based on: one response must be selected from four alternatives. 1. Usual/conventional 2. Open format (flexible/distance education) 3. Small 4. Integrated
4	Lesson implementation time	Closed: About the times the school lesson times (morning and afternoon shifts) one response must be selected from 3 alternatives. 1. Morning, starting around 7.00 am 2. Afternoon, starting around 1.00 pm 3. Combination (both)
5	The place where practical lessons are implemented	Closed: About the venue for practical lessons, one response must be selected from 2 alternatives. The second alternative has a space to enter a brief explanation. 1. At the school 2. At another place, explain .....
6	The place for implementation of the dual system. Only for vocational schools/ Madrasah	Closed: About the places that the school has agreements with to provide work experience in support of the dual education system. 4 alternatives are offered from which one must be selected, an extra space is provided alongside each alternative to enter the number of institutions that provide support. 1. Government institutions, total = ..... 2. Private institutions, total = ..... 3. Both government and private institutions, total = .....

The remainder of section A. is divided into two separate sections, one of which must be filled out according to whether the responding school is a public or private school.

Q.	Data Requested	Explanation
7a	Official number and date of letter of permission to establish a school/Madrasah or change legal status	Open ended: School status with regard to legality of operations, space is provided to enter the official document ID number, and the date of the last official document granting permission.
7b	Explanation of last letter of permission to establish a school or change legal status	Closed: 6 choices are offered, from which 1 alternative can be selected based on the schools current legal status. 1. <b>Pemutihan</b> 2. Change to Public (penegerian) 3. Transfer of function (alih fungsi) 4. New school 5. Change of name 6. Other
8a	School/Madrasah establishment status before the issuance of the letter as described in Q. 7a	Open ended: Data requested is the name of the school at that time prior to the granting of present status
8b	As above Q.8a	Closed: School status at that time, 2 choices are offered from which 1 alternative can be selected based on the school status. 1. Public 2. Private
8c	As above Q. 8a	Open ended: Space provided to enter the official document ID number, and the date of the last official document granting permission, prior to the document mentioned in Q. 7a (above).
8d	As above Q.8a	Open ended: Space provided for address of the school at the time that the document mentioned in Q. 8c was valid/current
9	Finance code number & <b>KPKN</b>	Closed: for entry of six digit finance code of school Open ended: Space provided for entry of <b>KPKN</b>
10	Year School/Madrasah was opened	Spaces provided to enter a 4 digit string to represent the year the school was opened (e.g. 1986)

Q.	Data Requested	Explanation
11	Official ID number and date of issuance of legal document granting permission to establish school	Spaces provided to enter official ID number of document and date of issuance
12	School/Madrasah data number (Nomor Data Sekolah - NDS)	Space provided to enter the private school (ID) data number. Similar to NSS above but specific to private schools
13a	School accreditation status	Closed: 4 choices are offered, from which 1 alternative can be selected based on the schools current accreditation status. 1. Equalized 2. Recognized 3. Listed 4. Not yet accredited
13b	Official ID number and date of issuance of legal document granting accreditation status to the school/Madrasah	Spaces provided to enter official ID number of document and date of issuance
14	Name of the foundation/ implementing agency of the school/Madrasah	Spaces provided to enter name of foundation/implementing agency of the school/Madrasah
14a 1) 2) 3) 4) 5) 6)	Address details of private school/Madrasah	Spaces provided for entry of 1. Street/road name & number 2. Village name 3. Sub-district name 4. Urban, Rural district/municipality name 5. Province name 6. Telephone number
14b	Details of school establishment document (Akte)	Spaces provided to record official number, and date of document
14c	Details of school foundation grouping	Closed: 10 choices are offered, from which 1 alternative can be selected based on the national foundation group to which the schools implementing agency belongs to/is aligned with (franchise) 1. Aisyiah 2. MPK Muhammadiyah 3. LP Ma'arif 4. ML Taman Siswa 5. MPPK 6. MNPK 7. Perwari 8. Dharma Pertiwi 9. YPLP PGRI 10. Other

## **Section B. Students, Classes and National Examination Scores**

Section B of KNS99 provides the data gathering format for recording data about students, classes and national examination scores. All questions are listed in table format except one, i.e. question 1, about the requirements in terms of national examination scores for entry, and the minimum and maximum scoring characteristics of accepted enrollments for the following academic year after this questionnaire cycle. The following tables provide details about each question in Section B.

Q	Data Requested	Explanation
1	National Examination scores (primary school) of enrollments	3 spaces are provided for recording national examination scores for potential new students, as follows 1. The standard national examination score declared as a minimum to gain entry to grade 1 of the respective junior secondary school/Madrasah. 2. The maximum national examination score among the accepted new grade 1 students 3. The minimum national examination score among the accepted new grade 1 students
2	Total planned intake, of grade 1 students in next academic year, total enrollments and number accepted according to school of origin	Table format: spaces provided to record: <u>Columns:</u> 1. planned total intake for next academic year, 2. total enrollments according to gender, and overall total, 3. total accepted according to gender, and overall total, 4. total new students according to school of origin Choices for Schools of origin: 1. Primary school 2. Islamic primary school (MI) 3. Junior secondary school 4. Islamic junior secondary school (MTs)
3	Total students according to grade and religion (only for schools that operate under MONE)	Table format: spaces provided to record total number of students according to grade and religion, and overall totals per grade, religion, and school. 4 grades are recorded in the table and five major religions <u>Rows (grade):</u> 1. Grade 1 2. Grade 2 3. Grade 3 4. Grade 4 <u>Columns (Religions):</u> 1. Islam 2. Protestant 3. Catholic 4. Hindu 5. Buddhist
4a	Total classes and students according to teaching program, grade and gender	Table format: spaces provided to record total number of students according to teaching program, grade, class and gender. <u>Rows (Teaching program choices):</u> 1. General 2. Languages 3. Natural sciences 4. Social sciences <u>Columns (level):</u> 5. Level 1 6. Level 2 7. Level 3 8. Level 4 <u>Columns (Class):</u> 1. Class (open) <u>Columns (Students):</u> 1. Male 2. Female Also includes spaces for overall total student numbers according to grade, gender and teaching program.

Q	Data Requested	Explanation
4b	Total classes and students according to stream, study program, grade and gender (Vocational schools only)	Table format: spaces provided to record total number of students according to stream/subject, study program, grade and gender. The stream and study program rows are left blank allowing flexibility in stream and program entry. <u>Columns (level):</u> 9. Level 1 10. Level 2 11. Level 3 12. Level 4 <u>Columns (Class):</u> 2. Class (open) <u>Columns (Students):</u> 3. Male 4. Female
5	Students according to age, grade, and gender	Table format: spaces provided to record total number of students according to age, grade, and gender. <u>Rows (13 choices are available):</u> 1. >1986 (<13 years) 2. 1986 (13 years) 3. 1985 (14 years) 4. 1984 (15 years) 5. 1983 (16 years) 6. 1982 (17 years) 7. 1981 (18 years) 8. 1980 (19 years) 9. 1979 (20 years) 10. 1978 (21 years) 11. 1977 (22 years) 12. 1976 (23 years) 13. <1976 (>23 years) <u>Columns: (Class level)</u> 1. Class 1 2. Class 2 3. Class 3 Also includes spaces for overall total student numbers according to age, grade, and gender. All columns further divided into gender (M&F).
6	Total repeaters and dropouts according to study program, grade and gender	Table format: spaces provided to record total number of repeaters and dropouts according to study program, grade and gender. <u>Rows (Study program choices):</u> 1. General 2. Languages 3. Natural sciences 4. Social sciences Also includes spaces for overall total student numbers according to grade, gender and study program.
7	Total Final examination participants and graduates from this school/Madrasah according to study program and gender	Table format: spaces provided to record total number of examination participants and graduates from this according to study program and gender. The study program columns are left blank allowing flexibility in program entry.
8a	Average national examination score according to subject	Table format: spaces provided to enter subject, and average national examination score (entire school) The subject columns are left blank allowing flexibility in subject entry. A space is also included to record the overall school average

Q	Data Requested	Explanation
8b	Average national examination score according to subject and teaching program	<p>Table format: spaces provided to enter average national examination score according to subject and teaching program</p> <p><u>Rows (Teaching programs):</u></p> <ol style="list-style-type: none"> <li>1. Languages</li> <li>2. Natural sciences</li> <li>3. Social sciences</li> </ol> <p><u>Columns (Subjects):</u></p> <ol style="list-style-type: none"> <li>1. Bahasa Indonesia</li> <li>2. PPKn</li> <li>3. Mathematics</li> <li>4. English language</li> <li>5. Indonesian Literature</li> <li>6. Other foreign languages</li> <li>7. Cultural history</li> <li>8. Physics</li> <li>9. Biology</li> <li>10. Chemistry</li> <li>11. Economics</li> <li>12. Sociology</li> <li>13. Public administration</li> </ol> <p>Also space for minimum, maximum and average for all subjects according to teaching program</p>

### Section C. Facilities

Q	Data Requested	Explanation
1	School/Madrasah land	Spaces provided to record total fenced and unfenced land/yard in square meters
2	School/Madrasah land according to ownership status and utilization	<p>Table format: with spaces to record the area of land in square meters according to ownership status and type of use</p> <p><u>Rows: (3 types of ownership status)</u></p> <ol style="list-style-type: none"> <li>1. School owned with certificate</li> <li>2. School owned without certificate</li> <li>3. Not owned by the school</li> </ol> <p><u>Columns: (5 types of land use)</u></p> <ol style="list-style-type: none"> <li>1. Buildings</li> <li>2. Yard/garden</li> <li>3. Sports field</li> <li>4. Plantation</li> <li>5. Other use</li> </ol> <p>Space also provided to record total land area according to ownership status</p>
3	Books and educational tools/equipment according to subject	<p>Table format: spaces provided to enter number of available books and educational tools/equipment according to subject, type of book and type of tools/equipment.</p> <p>Twelve subjects</p> <p><u>Rows:</u></p> <ol style="list-style-type: none"> <li>1. PPKn</li> <li>2. Religion</li> <li>3. Indonesian language and literature</li> <li>4. English language</li> <li>5. National/general history</li> <li>6. Fitness and health</li> <li>7. Mathematics</li> <li>8. Natural sciences <ul style="list-style-type: none"> <li>• Physics</li> <li>• Biology</li> <li>• Chemistry</li> </ul> </li> <li>9. Social sciences <ul style="list-style-type: none"> <li>• Economics</li> <li>• Sociology</li> <li>• Geography</li> <li>• Anthropology</li> </ul> </li> </ol>

Q	Data Requested	Explanation
		10. Art 11. Skills 12. Others <u>Columns: (Three types of books)</u> 1. Teachers handbooks 2. Student texts 3. Supporting books  <u>Columns: (Three types of teaching tools/equipment)</u> 1. Teaching aids 2. Practical equipment 3. Audio visual media For books a space is also provided to enter the total number of titles per subject, and the total number of copies available.
4	Supporting equipment/ accessories	Table format: Spaces are provided to record the total number of supporting equipment/accessories/infrastructure in the school/Madrasah according to type. One row for totals. Seventeen types are recorded <u>Columns:</u> 1. Computers 2. Typewriters 3. Calculators 4. Printing machines 5. Sewing machines 6. Lathes 7. Welders 8. Photocopiers 9. Brankas 10. Filing cabinets 11. Storage cupboards 12. Book racks 13. Stoves 14. Teachers/administrators desks 15. Teachers/administrators chairs 16. Students desks 17. Students chairs
5	School rooms according to type, Ownership status, Condition and size (total floor space) in m <sup>2</sup>	Table format: Spaces are provided to record the total number, type, condition and size of rooms in the school/Madrasah. Thirty four types are recorded: <u>Rows:</u> 1. Classrooms/theory rooms 2. Science laboratories 3. Biology labs 4. Chemistry labs 5. Physics labs 6. Language labs 7. Social science labs 8. Libraries 9. Skills rooms 10. Multi purpose rooms 11. UKS rooms 12. Practical work rooms 13. Computer practical work rooms (computer labs) 14. Workshops 15. Diesel rooms 16. Show rooms 17. Drawing rooms 18. Cooperatives/school shops 19. BP/BK rooms 20. Principals rooms 21. Teachers rooms 22. Administration rooms 23. Student body rooms (OSIS)

Q	Data Requested	Explanation
		24. Teachers toilets/bathrooms 25. Students toilets/bathrooms 26. Store rooms 27. Prayer rooms 28. Principals office 29. Teachers office 30. School security staff rooms 31. Specific subject teachers workrooms 32. Teachers workrooms 33. Boarding rooms 34. Others <u>Columns ( ownership status):</u> 1. School property (fully owned) 2. Not school property (not owned) <u>Columns (condition - condition only applies to school property)</u> 1. Good condition 2. Fair condition 3. Badly damaged
6	Laboratory use	Table format: spaces to record average hours of use per week for 6 types of laboratory <u>Rows:</u> 1. Average hours per week <u>Columns:</u> 1. Science laboratory 2. Biology lab 3. Chemistry lab 4. Physics lab 5. Language lab 6. Social sciences lab

## Section D: School Staff/Manpower/Employees

Section D elicits information about the school staff, including principals, teachers, and administrators.

Q	Data Requested	Explanation
1	Principals and permanent teachers according to employment status, rank or foundation and gender Temporary teachers according to public servant status and gender	Table format: spaces for number of permanent teachers (public servants) according to ministry under which they are employed (MONE/MORA) rank, and gender and principals according to rank and gender, Also space for number of permanent teachers employed by foundations according to gender. Data requested for temporary teachers is temporary teachers by public servant status and gender. There are also spaces supplied for sub totals of all teachers according to rank and gender, and all teachers according to employment status <u>Rows:</u> Principals Permanent MONE teachers Permanent MORA teachers Permanent foundation teachers Temporary teachers Total <u>Columns (permanent teachers):</u> Ranking 1 Ranking 2 Ranking 3 Ranking 4 Sub total (public servants) <u>Columns (temporary teachers):</u> Public servants Not public servants

Q	Data Requested	Explanation
		Additional column for overall totals All data is broken down by gender
2	Principals and teachers according to age and length of service	Table format: spaces for numbers of teachers according to age group and length of experience: <u>Rows (Position):</u> 1. Principals 2. Permanent teachers 3. Temporary teachers 4. Total <u>Columns (Age group):</u> 1. <20 2. 20-29 3. 30-39 4. 40-49 5. 50-59 6. >59 7. Total <u>Columns (length of experience in years):</u> 1. <5 2. 5-9 3. 10-14 4. 15-19 5. 20-25 6. >25 7. Total
3	Administration staff according to employment status, ranking and gender	Table format: spaces for total number of administration staff according to employment status, ranking and gender <u>Major Columns:</u> 1. Permanent employee 2. Temporary employee <u>Minor Columns 1 (permanent employees):</u> 1. Ranking 1 2. Ranking 2 3. Ranking 3 4. Ranking 4 5. Employed by Foundation <u>Minor columns 2 (temporary employees)</u> 1. Public Servant 2. Not Public Servant <u>Minor Sub Columns</u> 1. Male 2. Female
4	About Individual principals and teachers	Table format: spaces provided to enter name and government ID number of each principal or teacher, information about each principal or teacher is then recorded in each row <u>Rows:</u> 1. Name 2. Govt. ID No. (NIP) <u>Columns:</u> 1. Gender 2. Place and date of birth 3. Employment status 4. Ranking/room 5. Family status – married/single 6. Length of work experience – overall/as perm. Employee 7. Year started work as a teacher 8. Highest qualification achieved/ qualification held one level below About the qualifications: • Level • Stream/subject • Year issued 9. Subjects taught/other jobs held About the Subjects taught/other jobs held

Q	Data Requested	Explanation
		<ul style="list-style-type: none"> <li>Level</li> <li>Subject</li> <li>Hours per week</li> </ul> 10. Training attended during the last year for upgrading skills in relation to subjects taught <ul style="list-style-type: none"> <li>Subject</li> <li>Duration of training (hours)</li> </ul>
4b	About individual administration staff	Table format: spaces provided to enter name and government ID number of each administrator, information about each administrator is then recorded in each row <u>Rows:</u> 1. Name 2. Govt. ID No. (NIP) <u>Columns:</u> 1. Gender 2. Place and date of birth 3. Employment status 4. Ranking/room 5. Family status – married/single 6. Length of work experience – overall/as perm. Employee 7. Year started work at this school 8. Highest qualification achieved About the qualifications: <ul style="list-style-type: none"> <li>Level</li> <li>Stream/subject</li> <li>Year issued</li> </ul> 9. Position/type of job 10. Training attended during the last year for upgrading skills in relation to job <ul style="list-style-type: none"> <li>Course name</li> <li>Duration of training (hours)</li> </ul>

## Section E: School Finances

Q	Data Requested	Explanation
1	Total Receipts according to source and expenditure according to type	Table format: spaces for total receipts according to source, and expenditure according to type <u>Rows (Receipts - Sources):</u> 1. Central government a. Public (routine) <ul style="list-style-type: none"> <li>Personnel budget</li> <li>Materials budget</li> <li>Maintenance budget</li> </ul> a. Public (development budget) b. Subsidy (private schools) c. <b>DPK</b> teachers fund d. <b>OPF</b> Dikdasmn 2. Foundations (private schools) <ul style="list-style-type: none"> <li>Wages</li> <li>Operational/maintenance</li> <li>Administration</li> </ul> 3. Parents of students <ul style="list-style-type: none"> <li>Capital</li> <li>School money</li> <li>Parents association</li> </ul> d. National Examination/other tests e. Extra-curricular 4. Regional government 5. Production unit (vocational schools) 6. Other sources Total Receipts <u>Rows (expenditure types):</u>

Q	Data Requested	Explanation
		1. Wages 2. Teachers Wages (DPK private schools) 3. Wages (honorary teachers/staff) 4. Teacher/staff welfare 5. Teaching/learning process 6. Maintenance of facilities and infrastructure <ul style="list-style-type: none"> <li>• Buildings</li> <li>• Equipment</li> <li>• Furniture</li> </ul> 7. Rehabilitation 8. Procurement (new facilities and infrastructure) <ul style="list-style-type: none"> <li>• Books</li> <li>• Other</li> </ul> 9. Extra-curricular activities 10. Utilities and services (electricity, gas, water, services) 11. Administration 12. Other <ul style="list-style-type: none"> <li>a. ....</li> <li>b. ....</li> <li>c. ....</li> </ul> Balance at years end Total expenditure <u>Columns:</u> 1. Income in Rupiah 2. Expenditure in Rupiah
2	Annual expenditure for utilities and services  Note: proof requested in the form of a monthly receipt/bill with the highest expenditure	Table format: spaces provided to record annual expenditure for utilities and services  <u>Rows:</u> 1. Annual expenditure in Rupiah <u>Columns:</u> 1. Electricity (Government Electricity Company) 2. Telephone/Fax 3. Piped water 4. Gas 5. Total expenditure

## Section F: Electricity Use

Q	Data Requested	Explanation
1	Source of electricity	Multiple choice: five choices: 1. Government Electricity Company 2. Diesel generator 3. Solar power 4. Government Electricity Company and Diesel generator 5. Other (explain) .....
2	Voltage supplied	Multiple choice: two choices 1. 110 volts 2. 220 volts
3	Power supplied	Multiple choice: five choices 1. ≤ 900 watts 2. 1,300 – 2,200 watts 3. ≥ 2,200 watts 4. 5,000 – 15,000 watts 5. > 15,000 watts

## Section G: Curricular and Extra-curricular Programs

Q	Data Requested	Explanation
1	Competitions/ Awards won by the school in the last 3 years	Table format: spaces to record all awards/competitions won by the school in last 3 years according to placing in competition and level competition/award <u>Rows:</u> 1. Spaces to enter number and field/name of competition/ award <u>Columns:</u> 1. Place in competition (1 <sup>st</sup> . place, 2 <sup>nd</sup> . Place etc.) 2. Level of competition (International, national, provincial etc.) 3. Year of competition/award
2	Scholarships obtained by students in the last 3 years	Table format: spaces to record scholarships obtained by students in the last 3 years <u>Rows:</u> 1. Spaces to enter number and type of scholarship <u>Columns:</u> 1. number of students who obtained the scholarship 2. Source of the scholarship 3. Year of the scholarship

## Section H: Estimations for Next School Year

Q	Data requested	Explanation
1	Estimation of Classes and students for the next school year according to grade	Table format: spaces to record total number of classes and students expected for the next year. <u>Rows:</u> 1. Students 2. Classes <u>Columns:</u> 1. Grade/level 1 2. Grade/level 2 3. Grade/level 3 4. Grade/level 4 5. Total
2	Estimation of permanent teachers and staff for the next school year according to ranking (public schools) and level of education (private schools)	Table format: columns divided into two sections for public and private schools. <u>Rows:</u> 1. Teachers 2. Administration staff <u>Columns (Public schools):</u> 1. Ranking 1 2. Ranking 2 3. Ranking 3 4. Ranking 4 5. Total <u>Columns (Private schools):</u> 1. Junior secondary 2. Senior secondary 3. University 1 (sarmud) 4. University 2 (sarjana) 5. Total
3	Teachers – Supply and demand for next school year according subject taught, and employment status	Table format: rows with teacher types (subject taught), and spaces provided to record numbers of current teachers (supply) according to employment status, and overall number needed (demand) for the next school year <u>Rows (subjects taught/type of teacher):</u> 1. Pancasila moral education/Heroes of Indonesian Independence 2. Religious education a. Islam b. Protestant c. Catholic d. Hindu

Q	Data requested	Explanation
		e. Buddhist 3. Indonesia language and literature 4. English language 5. National and general history 6. Physical education 7. Mathematics 8. Natural sciences a. Physics b. Biology c. Chemistry 9. Social sciences a. Economics b. Sociology c. Geography d. Public administration e. Anthropology 10. Arts 11. Other foreign languages a. .... b. .... c. .... 12. Cultural history 13. Handicrafts and art 14. Local content a. .... b. .... c. .... Note: additional 15 rows added for additional subjects not pre recorded on the questionnaire Columns: 1. current number of permanent teachers 2. current number of temporary teachers 3. number of teachers needed in the next school year

### Final section: Principals ID

The final section of the questionnaire has a place to record details of the principal responsible for the questionnaire being filled out accurately and completely. Information required includes the following:

1. Details of letter of decision to install the responsible principal
  - Number of letter
  - Date of letter
  - Date of installation
2. Information about the principal
  - Years of work experience as principal
3. Place to sign off and date the questionnaire
4. Place to record government ID number.

## APPENDIX 2.2.B: MONE Data Summary Format (as filled out at the district level)

### RPdd Summary Form

No.	Sub District name	Area in KM <sup>2</sup>	Population According to School Age										
			0-4 Years	5 Years	6 Years	7-12 Years	13-15 Years	16 Years	17 Years	18 Years	19-24 Years	> 24 Years	Total Population
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)

### RSLTPT Summary Form

No.	School Statistics Number	School Name	Address	Name of Supervisor School	New Level 1 Students		Students According to Level								Graduates		Teacher Types		TKB
					M	F	M	F	M	F	M	F	M	F	M	F	Bina	Pamong	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)

## **RKSM Summary Form**

The format is not provided, in order to save space, however the RKSM is a summary table in which columns represent variables and rows represent individual schools, each row has a field for recording the following data:

1. Last five digits from NSS
2. School name (new)
3. School name (old)
4. School Data Number (private)
5. Finance code
6. Accreditation Status
7. Class implementation times
8. Practical implementation times
9. Place for implementation of Dual System
10. Vocational school grouping
11. Planned student intakes
12. Student enrollment according to gender
13. Students accepted according to gender
14. New students according to school of origin
15. Students according to religion
16. Number of classes by level
17. Students according to level and gender
18. Level 3 SMU students according to field of study
19. Students according to age
20. Repeaters according to level and gender
21. Dropouts according to level and gender
22. EBTA Participants according to gender
23. EBTA graduates according to gender
24. EBTA graduates according to field of study (SMU)
25. Average National Exam score
26. Land area according to ownership status
27. Land area of sports field
28. Number, area (m<sup>2</sup>) and condition of classrooms owned by the school
29. Number and area of classrooms not owned by the school
30. Laboratories and other school rooms
31. School housing
32. Principals according to gender ranking (govt) and employment status (private), employment duration and education attainment (qualifications)
33. Teachers according to employment status and gender
34. Teachers according to age group and experience
35. Teachers according to education attainment (qualifications)
36. Administration staff according to employment status and ranking
37. Administration staff according to employment position (occupation)
38. Finance: Income according to major source
39. Finance: Expenditure according to type
40. Finance: Expenditure on utilities and services
41. Estimations for following year: Classes, Permanent teachers, and admin. staff according to ranking (public servants)
42. Estimations for following year: Teachers, according to employment status and qualifications (non-public servants)
43. Number of teachers according to subjects taught

## APPENDIX 2.3: Available Data in the Pilot GIS

### 1. Map Data

Map data was established to cover 56 coverage list on six categories. The coverage was made by ArcView shape file format.

**Table 1: List of Map Data by Categories**

Category	Description	No. of Coverage List
Administration	Kabupaten Administrative Area	23, 27, 29
	Kecamatan Administrative Area	4, 8, 12, 16, 20, 21, 22, 28, 30, 31, 38, 39, 43, 44
	Desa Administrative Area	2, 3, 6, 7, 10, 11, 14, 15, 18, 19, 25, 26, 32, 33
Major Town	Kecamatan City Center	1, 5, 9, 13, 17, 24, 40
	City and Village Center	50
School Location	Location of Junior Secondary School	51
Land Use	Building Area	34, 45
Infrastructure	Major Road	36, 41, 47, 52
Drainage	River, Lake, Coastal Line	35, 37, 42, 46, 48, 49

Following coverage is made by shape file format of ArcView GIS (ESRI).

**Table 2: Coverage List**

No	Coverage Name	Feature Class	Coverage Description	Province	Kabupaten / Kotamadya	Data Source
1	JT07CT	POINT	Kecamatan City Center	Jateng	Wonosobo	BPS
2	JT07DESA_PY	POLYGON	Desa Administrative Area	Jateng	Wonosobo	BPS
3	JT07DESA_LN	LINE	Desa Administrative Boundary	Jateng	Wonosobo	BPS
4	JT07KEC_PY	POLYGON	Kecamatan Administrative Area	Jateng	Wonosobo	BPS
5	JT10CT	POINT	Kecamatan City Center	Jateng	Klaten	BPS
6	JT10DESA_PY	POLYGON	Desa Administrative Area	Jateng	Klaten	BPS
7	JT10DESA_LN	LINE	Desa Administrative Boundary	Jateng	Klaten	BPS
8	JT10KEC_PY	POLYGON	Kecamatan Administrative Area	Jateng	Klaten	BPS
9	JT21CT	POINT	Kecamatan City Center	Jateng	Demak	BPS
10	JT21DESA_PY	POLYGON	Desa Administrative Area	Jateng	Demak	BPS
11	JT21DESA_LN	LINE	Desa Administrative Boundary	Jateng	Demak	BPS
12	JT21KEC_PY	POLYGON	Kecamatan Administrative Area	Jateng	Demak	BPS
13	JT22CT	POINT	Kecamatan City Center	Jateng	Sumarang	BPS
14	JT22DESA_PY	POLYGON	Desa Administrative Area	Jateng	Sumarang	BPS
15	JT22DESA_LN	LINE	Desa Administrative Boundary	Jateng	Sumarang	BPS
16	JT22KEC_PY	POLYGON	Kecamatan Administrative Area	Jateng	Sumarang	BPS
17	JT29_CT	POINT	Kecamatan City Center	Jateng	Brebes	BPS
18	JT29DESA_PY	POLYGON	Desa Administrative Area	Jateng	Brebes	BPS
19	JT29DESA_LN	LINE	Desa Administrative Boundary	Jateng	Brebes	BPS
20	JT29KEC_PY	POLYGON	Kecamatan Administrative Area	Jateng	Brebes	BPS
21	JTKEC_PY	POLYGON	Kecamatan Administrative Area	Jateng	Whole Kecamatan	BPS
22	JTKEC_LN	LINE	Kecamatan Administrative Boundary	Jateng	Whole Kecamatan	BPS
23	JTKAB_PY	POLYGON	Kabupaten Administrative Area	Jateng	Whole Kecamatan	BPS
24	SU03CT	POINT	Kecamatan City Center	Sulut	Minahasa, Bitung	BPS
25	SU03DESA_PY	POLYGON	Desa Administrative Area	Sulut	Minahasa	BPS
26	SU03DESA_LN	LINE	Desa Administrative Boundary	Sulut	Minahasa	BPS
27	SU03KAB_PY	POLYGON	Kabupaten Administrative Area	Sulut	Minahasa	BPS
28	SU03KEC_PY	POLYGON	Kecamatan Administrative Area	Sulut	Minahasa	BPS

**Table 2 (continued)**

No	Coverage Name	Feature Class	Coverage Description	Province	Kabupaten / Kotamadya	Data Source
29	SUKAB_PY	POLYGON	Kabupaten Administrative Area	Sulut	Whole Kabupaten	BPS
30	SUKEC_PY	POLYGON	Kecamatan Administrative Area	Sulut	Whole Kecamatan	BPS
31	SUKEC_LN	LINE	Kecamatan Administrative Boundary	Sulut	Whole Kecamatan	BPS
32	BAD_PY	POLYGON	Desa Administrative Area	Sulut	Bitung	BPN
33	BAD_LN	LINE	Desa Administrative Boundary	Sulut	Bitung	BPN
34	BBD_PY	POLYGON	Building Area	Sulut	Bitung	BPN
35	BCL	LINE	Coastal Line	Sulut	Bitung	BPN
36	BRD	LINE	Road	Sulut	Bitung	BPN
37	BRV	LINE	River	Sulut	Bitung	BPN
38	JTAD_PY	POLYGON	Kecamatan Administrative Area	Jateng	Whole Kecamatan	BPN
39	JTAD_LN	LINE	Kecamatan Administrative Boundary	Jateng	Whole Kecamatan	BPN
40	JTCT	POINT	Kecamatan City Center	Jateng	Whole Kecamatan	BPN
41	JTRD	LINE	Road	Jateng	Whole Kecamatan	BPN
42	JTRV	LINE	River	Jateng	Whole Kecamatan	BPN
43	MAD_PY	POLYGON	Kecamatan Administrative Area	Sulut	Minahasa	BPN
44	MAD_LN	LINE	Kecamatan Administrative Boundary	Sulut	Minahasa	BPN
45	MBD_PY	POLYGON	Building Area	Sulut	Minahasa	BPN
46	MCL	LINE	Coastal Line	Sulut	Minahasa	BPN
47	MRD	LINE	Road	Sulut	Minahasa	BPN
48	MRV	LINE	River	Sulut	Minahasa	BPN
49	MRVP	POLYGON	Lake and Double Lined River	Sulut	Minahasa	BPN
50	MCT	POINT	City and Village Center	Sulut	Minahasa	ADB
51	MSCH	POINT	Junior Secondary School	Sulut	Minahasa	ADB
52	RD_ADB	LINE	Road	Sulut	Minahasa	ADB
53	MCT_BUFF	POLYGON	Buffer from City and Village Center	Sulut	Minahasa	Coverage 52, MCT
54	SCH2500M_BUFFER	POLYGON	2.5Km Buffer from Junior Secondary School	Sulut	Minahasa	Coverage 53, MSCH
55	SCH5KM_BUFFER	POLYGON	5Km Buffer from Junior Secondary School	Sulut	Minahasa	Coverage 53, MSCH
56	SCH7500M_BUFFER	POLYGON	7.5Km Buffer from Junior Secondary School	Sulut	Minahasa	Coverage 53, MSCH

Jateng: Central Java

Sulut: North Sulawesi

## 2. Attribute Information

Attribute information was arranged in 19 files on two categories. These files were made by dbf format and ASCII text (TXT) format.

**Table 3: List of Statistical Information by Categories**

Category	Description	No. of Data List
Specific Name	Name of Village Center and Junior Secondary School	1, 2
Statistic Information	Baseline Survey	4, 5, 6, 7, 8, 9
	Education Statistic by BPS	3, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

Following data is linked to specific coverage.

**Table 4: Data List for Linkage of Coverage on the GIS data**

No	File Type	Table Name	Description	Joint Item of Table	Joint Item of Coverage	Joint Coverage
1	DBF	CT_DESA_MINAHASA	Name of Village Center in Minahasa	A10CODE	A10CODE	MCT
2	DBF	MSCH_MINAHASA	Junior Secondary School Name in Minahasa	SCH_ID	MSCH-ID	MSCH
3	DBF	SU_DESA	APK SLTP dan Menurut Lokasi	KODE_DESA	A10CODE	MCT
4	TXT	B7103-101MINAHASA	Baseline Survey "Input" in Minahasa	SCH_ID	MSCH-ID	MSCH
5	TXT	B7103-102MINAHASA	Baseline Survey "Input2" in Minahasa	SCH_ID	MSCH-ID	MSCH
6	TXT	B7103-103MINAHASA	Baseline Survey "Input3" in Minahasa	SCH_ID	MSCH-ID	MSCH
7	TXT	B7103-200MINAHASA	Baseline Survey "Finance" in Minahasa	SCH_ID	MSCH-ID	MSCH
8	TXT	B7103-300MINAHASA	Baseline Survey "Process" in Minahasa	SCH_ID	MSCH-ID	MSCH
9	TXT	B7103-400MINAHASA	Baseline Survey "Output" in Minahasa	SCH_ID	MSCH-ID	MSCH
10	TXT	JT_KAB_BREBES1997_1999	Education Statistic in Brebes	BPS_NO	A7CODE	JT29KEC
11	TXT	JT_KAB_DEMAK1997_1999	Education Statistic in Demak	BPS_NO	A7CODE	JT21KEC
12	TXT	JT_KAB_KLATEN1997_1999	Education Statistic in Klaten	BPS_NO	A7CODE	JT10KEC
13	TXT	JT_KAB_SEMARANG1997_1999	Education Statistic in Semarang	BPS_NO	A7CODE	JT22KEC
14	TXT	JT_KAB_WONOSOBO1997_1999	Education Statistic in Wonosobo	BPS_NO	A7CODE	JT07KEC
15	TXT	JT_KAB1997_1999	Education Statistic in Central Jawa Province	BPS_NO	A7CODE	JTKAB
16	TXT	SU_KAB_BITUNG1997_1999	Education Statistic in Bitung	BPS_NO	A7CODE	SU03KEC
17	TXT	SU_KAB_MINAHASA&BITUNG1997_1999	Education Statistic in Minahasa & Bitung	BPS_NO	A7CODE	SU03KEC
18	TXT	SU_KAB_MINAHASA1997_1999	Education Statistic in Bitung	BPS_NO	A7CODE	SU03KEC
19	TXT	SU_KAB1997_1999	Education Statistic in North Sulawesi Province	BPS_NO	A7CODE	SUKAB