



DELIBERASAUN N. 65/V/CAFI/2025

Conselho de Administração do Fundo das Infraestruturas – CAFI, bazeia ba artigo 10º (1) e (3) DL Nº. 25/2024, de 22 de maio, Primeira Alteração ao DL Nº.13/2016, 18 de Maio, realiza reuniaun ordinária iha loron Sexta-feira, 23 de maio de 2025, e halo deliberasaun ba assunto tuir mai ne'e:

Asuntu: Pedidu aprovasaun no autorizasaun despezas no konfirma finansiamentu iha FI 2025 ba Projetu *New Construction of Dominicana House Bidau – Dili*.

Proponente: Ministério do Planeamento e Investimento Estratégico – MPIE

Notas/justifikasaun:

- Bazeia ba despacho husi Ministro do MPIE ho karta no. Ref.: 804/CG-GMPIE/V/2025, data 23 de Maio de 2025, ba karta pedidu husi Diretor Executivo ADN, I.P. Sr. Rui Lourenço da Costa, ho no. Ref.: 0771/DN, I.P/V/2025, data 21 de Maio de 2025, ho asuntu: Resultadu Verifikasiun ba Projetu *New Construction of Dominicana House Bidau – Dili*;
- Bazeia ba karta husi Ministro do MPIE ho karta no. Ref.: 796/CG-GMPIE/V/2025, data 22 de Maio de 2025, ho asuntu apresenta resultadu verifikasiun husi ADN;
- Bazeia ba karta husi ADN, I.P. ho no. Ref.: 0771/DN, I.P/V/2025, data 21 de Maio de 2025, ho asuntu: Resultadu Verifikasiun ba Projetu *New Construction of Dominicana House Bidau – Dili* ho montante \$656,201.67;
- Alokasaun FI 2025: \$ 0, Programa 980: Inclusão Social, kodigu atividade 9804910: New Construction of Dominicana Building in Bidau, Dili;
- Desizaun kona ba abertura ka inisiaisaun prosesu aprovisionamentu bazeia, Artigo 24 & 25, Decreto Lei No.43/2024, de 20 de Dezembro, regra ezekusaun OGE 2025;
- DL Nº. 25/2024, de 22 de maio, Primeira Alteração ao DL Nº.13/2016, 18 de Maio, kona ba Regulamentu Fundo da Infraestrutura, determina katak aprovisionamento projetu FI nian sei lao tuir Regime Juridiku Aprovizionamento em vigor. Modalidade aprovisionamento sei lao tuir Regime Juridiku Aprovizionamento em vigor;
- Dono do projetu sei assume responsabilidade hodi assegura orsamentu ba Ezekusaun no Implementasaun projetu;
- Projeto nain konfirma katak sei asume responsabilidade ba monitorizasaun e akompanhamentu ba ezekusaun projetu ne'e no sei garante kualidade servisu nian tuir padraun no espesifikasiun ne'ebé aprova ona

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IX GOVERNO CONSTITUCIONAL
MINISTÉRIO DO PLANEAMENTO E INVESTIMENTO ESTRATÉGICO
FUNDO DAS INFRAESTRUTURAS



Conselho de
Administração

Lista Proposta:

Naran Projetu	Kustu estimasaun ADN, I.P.	Alokasaun FI 2025 & Kodigu Atividade
<i>New Construction of Dominicana House Bidau – Dili</i>	\$656,201.67; no. Ref.: 0771/DN, I.P/V/2025, data 21 de Maio de 2025	Alokasaun FI 2025: \$ 0, Programa 980: Inclusão Social, kodigu atividade 9804910: New Construction of Dominicana Building in Bidau, Dili.

Rekomendasaun:

- 1) CAFI atu aprova no autoriza despezas no kustu total nune'e mos konfirma finansiamentu iha FI 2025 bazeia ba pedidu husi MPIE ba projetu *New Construction of Dominicana House Bidau – Dili*, ne'ebe hetan ona Verifikasiadaun husi ADN, I.P. ho montante verifikasiadu **\$656,201.67**;
- 2) Desizaun kona ba abertura ka inisiasiadaun prosesu aprovisionamentu bazeia, Artigo 24 & 25, Decreto Lei No.43/2024, de 20 de Dezembro, regra ezekusaun OGE 2025;
- 3) CAFI nudar orgão competente ba aprovisaun no autorizadaun despezas bazeia ba DL no. 23/2022, de 19 de maio;
- 4) DL Nº. 25/2024, de 22 de maio, Primeira Alteração ao DL Nº.13/2016, 18 de Maio, kona ba Regulamentu Fundo da Infraestrutura, determina katak aprovisionamento projetu FI nian sei lao tuir Regime Juridiku Aprovizionamento em vigor. Modalidade aprovisionamento sei lao tuir Regime Juridiku Aprovizionamento em vigor;
- 5) Decreto-Lei N.º 1/2025 de 8 de Janeiro, Código do Aprovizionamento e dos Contratos Públicos, artigo 42º, nesesita justifikasiadaun tekniku no legal husi MPIE hanesan entidade adjudikante;
- 6) Dono do projetu sei assume responsabilidade hodi assegura orsamentu ba Ezekusaun no Implementasaun projetu;
- 7) Projetu nain sei assume responsabilidade ba koordenasaun entre entidade relevantes ba implementasaun projetu ne'e, e ba supervizaun, monitorizasaun e akompanhamentu ba projetu ne'e iha faze implementasaun, e sei garante kualidade servisu nian tuir espesifikasiadaun ne'ebe aprova ona;

Desizaun:

1. CAFI aprova no autoriza despezas no kustu total nune'e mos konfirma finansiamentu iha FI 2025 bazeia ba pedidu husi MPIE nudar projetu nain;
2. Desizaun kona ba abertura ka inisiasiadaun prosesu aprovisionamentu bazeia, Artigo 24 & 25, Decreto Lei No.43/2024, de 20 de Dezembro, regra ezekusaun OGE 2025;

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IX GOVERNO CONSTITUCIONAL
MINISTÉRIO DO PLANEAMENTO E INVESTIMENTO ESTRATÉGICO
FUNDO DAS INFRAESTRUTURAS



Conselho de
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3. CAFI nudar orgão competente ba aprovasaun no autorizasaun despezas bazeia ba DL no. 23/2022, de 19 de maio;
4. DL Nº. 25/2024, de 22 de maio, Primeira Alteração ao DL Nº.13/2016, 18 de Maio, kona ba Regulamentu Fundo da Infraestrutura, determina katak aprovisionamento projetu FI nian sei lao tuir Regime Juridiku Aprovizionamento em vigor. Modalidade aprovisionamento sei lao tuir Regime Juridiku Aprovizionamento em vigor;
5. Decreto-Lei N.º 1/2025 de 8 de Janeiro, Código do Aprovisionamento e dos Contratos Públicos, artigo 42º, nesesita justifikasi saun tekniku no legal husi MPIE hanesan entidade adjudikante;
6. Dono do projetu sei assume responsabilidade hodi assegura orsamentu ba Ezekusaun no Implementasaun projetu;
7. Projetu nain sei asume responsabilidade ba koordenasaun entre entidade relevantes ba implementasaun projetu ne'e, e ba supervizaun, monitorizasaun e akompanhamantu ba projetu ne'e iha faze implementasaun, e sei garante kualidade servisu nian tuir espesifikasi saun ne'ebe aprova ona;
8. Lista Aprovasaun:

Naran projetu	Kustu estimativa ADN, I.P. / Referensia proposta	Alokasaun FI 2025 no Kodigo atividade	Orgaun Kompetenti Autoriza despezas – DL no. 23/2022, 19 de maio
<i>New Construction of Dominicana House Bidau – Dili</i>	\$656,201.67; no. Ref.: 0771/DN, I.P/V/2025, data 21 de Maio de 2025	Alokasaun FI 2025: \$ 0; Programa 980: Inclusão Social; kodigu atividade 9804910: New Construction of Dominicana Building in Bidau, Dili.	CAFI : Konfirmasaun Finansiamentu CAFI: alinea 1 (b) Artigo Artigo 5.º Competência para a autorização da despesa.

✓ ✓ ✓



IX GOVERNO CONSTITUCIONAL
MINISTÉRIO DO PLANEAMENTO E INVESTIMENTO ESTRATÉGICO
FUNDO DAS INFRAESTRUTURAS



Conselho de
Administração

Aprovado husi CAFI iha loron 23 de maio de 2025.

O Conselho de Administração do Fundo das Infraestruturas
O presidente,



Gastão Francisco de Sousa

Ministro do Planeamento e Investimento Estratégico

Santina José Rodrigues Ferreira Viegas Cardoso

Ministra das Finanças



Miguel Marques Gonçalves Manetelu

Ministro dos Transportes e Comunicações



Samuel Marcal
Ministro das Obras Públicas

DELIBERASAUN N.º65/V/CAFI/2025



IX GOVERNO CONSTITUCIONAL
MINISTÉRIO DO PLANEAMENTO E INVESTIMENTO ESTRATÉGICO
FUNDO DAS INFRAESTRUTURAS



Conselho de
Administração

Annexo:



REPÚBLICA DEMOCRÁTICA DE TIMOR-LESTE
Ministério do Planeamento e Investimento Estratégico
Fundo das Infraestruturas

NOTA DE DESPAICHO

1. ORIGEM DO DOCUMENTO

N Ref; 804/CG-GMPIE/IV/2025

Data do Documento : 23/05 /2025

Proveniência do Documento

G-MPIE

2. DETALHES DO DOCUMENTO

Data Entrada do Documento: 23/05 /2025

Enviado ao:

1. Sr/ Mauricio Borges

2. Sr/a _____

3. Sr/a _____

4. Assessores Nacionais / Internacionais

Assunto:

Encaminha Despacho Ministro,MPIE Kona-ba No.Ref 077I/ADN.IP/V/2025 Husi Directur Executivo ADN.IP,
Data 21 de Maio 2025,ho assunto **Rezultado Verifikasiun-Projetu New Construction of Dominican House Bidau-Dili,**

3. INSTRUÇÃO DO DIRETOR DO SGP

Data do Despacho: 23/5 /2025

Para Sr/a

1. Sr/a *Mauricio Borges*

2. Sr/a _____

3. Sr/a _____

Despacho:

Hoc Astur Qua

Assinatura :

Mauricio Borges



**MINISTÉRIO DO PLANEAMENTO
E INVESTIMENTO ESTRATÉGICO
IX GOVERNO CONSTITUCIONAL
GABINETE DO MINISTRO**



Dili, 23 Maio de 2025

Nu. Ref : 804/....../CG-GMPIE/V/2025

Hato' o ba : Directur Executivo SGP
Sr. Mauricio Borges

Asuntu : Encaminha Despacho Ministro, MPIE

Ho Respeito

Komforme assunto iha leten Gabinete do Ministro hakarak encaminha despacho Ministro MPIE kona ba No. Ref 077I/ADN.IP/V/2025 Husi Directur Executivo ADN. IP, Data 21 de Maio 2025, ho assunto Rezultado Verifikasiun – Projetu New Construction of Dominicana House Bidau - Dili, no despacho Ministro iha anexo.

Despacho Ministro : Para SGP

Apresentar na Reunião do CAFI

Data despaçho : 05.23.2025

Mak ne'e deit ba atensaun, lahaluha hato'o obrigado wain.

Hau nia melhores cumprimentos

Tomás de Fátima da Silva
Chefe Gabinete do MPIE



MINISTÉRIO DO PLANEAMENTO
E INVESTIMENTO ESTRATÉGICO
IX GOVERNO CONSTITUCIONAL
GABINETE DO MINISTRO



Dili, 22 de Maio de 2025

Reff Nu : 796 /CG - GMPIE/V/2025

Exce^{mo} Sr. Gastão Francisco de Sousa
Ministro do Planeamento e Investimento Estratégico.

SGP + ADN

Apresentar no min
do CAPI

Assunto : apresenta resultadu Verifika aun husi ADN.


05.05.2025

Excelencia Senhor Ministro,

Baseia ba karta husi ADN no Ref: 0771/ADN IP/V/2025, dia 21 de Maio, ho Assunto entrega resulatdu verifikasi, ho ida ne'e Gabinete apresenta ba Excelencia Ministro resultadu verifikasi ba projeto, new Construction of Dominican House - Bidau Dili nebe ADN finalisa ona.

Ho ida ne'e apresenta ba Excelencia Ministro atu bele hola solusaun e orientasaun ba tekniku oinsa nian implementasaun.

Resultado verifikasi anexa.

Mak ne'e deit, apresenta ba excelencia e obrigado.


Tomás de Fátima da Silva

Chefe Gabinete.

AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

Dili, 21 de Maio de 2025

Ref : 0771 /ADN, I.P./V/2025

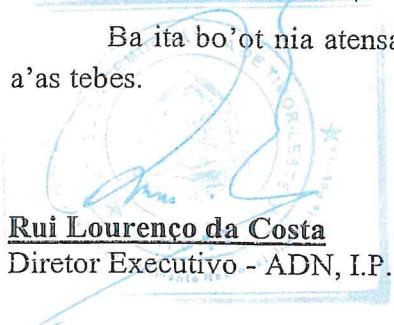
Hato' o ba : Sr. Tomás de Fatima da Silva
Chefe de Gabinete do MPIE

Assuntu : Rezultado Verifikasioun – Project New Construction of Dominicana House
Bidau - Dili

Ho Respeito,

Bazeia ba karta pedido verifikasioun ho no ref. 4037/CG-GMPIE/XII/2024 data 19 de Dezembro de 2024, ba asuntu ne'ebe mensiona iha leten, ekipa verifikasioun Unidade Avaliação dos Projetos – ADN, I.P. hala'o ona verifikasioun ba dokumentos refere. Ho nune bele hare rezultado verifikasioun iha (*aneksu*).

Ba ita bo'ot nia atensaun ami hato' o agradecimento wain no subkreve ho konsiderasaun a'as tebes.


Rui Lourenço da Costa
Diretor Executivo - ADN, I.P.

GRIBINETE DO
Ministro do Planeamento e
Investimento Estratégico
RECIBIDO
DIA 24 / 5 / 2025
POR Indonita 137



Bedik-Han, Fatuhai
Dili - Timor-Leste
info@mpie.gov.tl
+670 33 10 289



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

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FORMULARIO DESPACHO

Data de Entrada Documentos: 20 / Dec / 2024	Data do Documentos: 19 / Dec / 2024
Husi: MINISTERIO DO PLANEAMENTO INVESTIMENTO ESTRATEGICO	
No Ref : 4037/CG-GMPIE/XII/2024	
Projetu :	Quantidade Documentos : 1
-	Anexo :
Assuntos :	
Encaminha Despacho Ministro, MPIE (Detailed Engineering Design Dominicana Building in Bidau, Dili TL).	
No. Tf : 3310320	
Companhia : -	
Despacho : <ul style="list-style-type: none"> <input type="radio"/> Unidade de Gestão Administrativa <input checked="" type="radio"/> Unidade de Avaliação de Projectos <input type="radio"/> Unidade de Controlo e Validação de Qualidade <input type="radio"/> Unidade de Estudo e Desenvolvimento de Competências <p>Solicita USA aí verifica. "Urgente".</p>	
<ul style="list-style-type: none"> <input type="radio"/> Adjunto <input type="radio"/> Assesor/a <input type="radio"/> Gabinete DE / Base de Dadus <input type="radio"/> Other <p>Data: ... 20/12/2024 Rui Lourenço da Costa Director Executivo ADN</p>	



MINISTÉRIO DO PLANEAMENTO
E INVESTIMENTO ESTRATÉGICO
IX GOVERNO CONSTITUCIONAL
GABINETE DO MINISTRO



Dili, 19 de Dezemburu de 2024

Nu. Ref : 4037/CG-GMPIE/XII/2024

Hato' o ba : Directur Executivo ADN. IP
Sr. Rui Lourenço da Costa

Asuntu : Encaminha Despacho Ministro, MPIE

Ho Respeito

Liu husi oficio ida ne'e hakarak encaminha despacho Ministro MPIE kona ba karta husi Irmãs Missonarias Dominicanas do Rosario , ho assunto Detailed Engineering Design Dominicana Building in Bidau, Dili TL no despacho Ministro iha anexo.

Despacho Ministro : Para ADN- IP

Verificar e proceder c/ o contrato p/ a empresa "Uma de Construção" de acordo c/ o despacho do PM

Data despaçho : 12.19.2024

Ba atensaun no kolaborasaun lahaluha hato'o obrigado wain.

Hau nia melhores cumprimentos


Tomás de Fatima da Silva
Chefe do Gabinete do MPIE

NAME OF PROJECT : NEW CONSTRUCTION OF DOMINICANA HOUSE BIDAU, DILI

LOCATION : DILI-TIMOR LESTE

SUMMARY

NO	ITEM DESCRIPTION	Owner Estimation	Verified by ADN IP
		TOTAL \$ (USD)	TOTAL \$ (USD)
I	PRELIMINARY WORK	\$ 45,454.04	\$ 10,454.04
II	STRUCTURE WORKS	\$ 467,334.83	\$ 381,430.61
III	ARCHITECTURE WORKS	\$ 116,752.70	\$ 116,162.97
IV	ELECTRICAL	\$ 8,191.67	\$ 11,626.02
V	PLUMBING AND SANITARY WORKS	\$ 18,812.43	\$ 18,812.43
VI	MOBILIARIO	\$ 6,500.00	\$ 8,750.00
A	Construction Cost	\$ 663,045.67	\$ 547,236.07
B	Contractor Fee (10% x A)	\$ 66,304.57	\$ 54,723.61
C	Overhead	\$ 13,150.00	\$ 14,550.00
D	Tax (2% x (A+B+C))	\$ 14,850.00	\$ 12,330.19
E	Contingency (10% x A)	\$ 33,152.28	\$ 27,361.80
I	GRAND TOTAL (F+G+H)	\$ 790,502.53	\$ 656,201.67

Verified by :(Fabiano Fitalis Maria Madeira)
Civil Engineer ADN, I.P.Checked By :(Johanes Hornay)
Chefe do Departamento. EPMETICJM
- ADN, I.P.Certified By :(José Fernando Liu Soares)
Coordenador UAP - ADN, I.P.(Olivio M. da Silva Correia)
Electrical Engineer ADN, I.P.

BILL OF QUANTITY (BOQ)

AGÊNCIA DE DESenvolvimento NACIONAL - P.

NAME OF PROJECT: NEW CONSTRUCTION OF DOMINICANA HOUSE BIDAU, DILI

LOCATION: DILI-TIMOR LESTE

No	Item Description	Owner Estimation			Verified By ADN IP				
		Unit	Qty	Unit Price USD (\$)	Amount USD (\$)	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
OVERHEAD									
1 Contractor project team (Project manager, site engineer, surveyor, administration staff)									
1	Contractor project team (Project manager, site engineer, surveyor, administration staff)	Ls	1.00	\$ 9,000.00	\$ 9,000.00	Ls	1.00	\$ 9,000.00	\$ 9,000.00
2	Project security (for 2 personnel)	Ls	1.00	\$ 1,500.00	\$ 1,500.00	Ls	1.00	\$ 3,600.00	\$ 3,600.00
3	Safety equipment and first AID equipment	Ls	1.00	\$ 350.00	\$ 350.00	Ls	1.00	\$ 350.00	\$ 350.00
4	Material sampling and commissioning testing	Ls	1.00	\$ 1,000.00	\$ 1,000.00	Ls	1.00	\$ 1,000.00	\$ 1,000.00
5	Communication and meeting fee	Ls	1.00	\$ 500.00	\$ 500.00	Ls	1.00	\$ -	\$ -
6	Project report and documentation	Ls	1.00	\$ 300.00	\$ 300.00	Ls	1.00	\$ 300.00	\$ 300.00
7	As build drawing and as build quantity	lm	1.00	\$ 500.00	\$ 500.00	lm	1.00	\$ 300.00	\$ 300.00

BILL OF QUANTITY (BOQ)

NAME OF PROJECT: NEW CONSTRUCTION OF DOMINICANA HOUSE BIDAU, DILI

LOCATION: DILI-TIMOR LESTE

No	Item Descriptions	Owner Estimation				Verified by AON IP			
		Unit	Qty	Unit Price USD (\$)	Amount USD (\$)	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
I	PRELIMINARY WORK			\$ 45,454.04					\$ 10,454.04
1	Mobilisasi and demobilisasi	ls	1.00	\$ 1,000.00	\$ 1,000.00	ls	1.00	\$ 1,000.00	\$ 1,000.00
2	Clearing area	m ²	416.00	\$ 1.40	\$ 582.40	m ²	416.00	\$ 1.40	\$ 582.40
3	Install bowplank	m'	80.80	\$ 9.55	\$ 771.64	m'	80.80	\$ 9.55	\$ 771.64
4	Water consumtion work	ls	1.00	\$ 400.00	\$ 400.00	ls	1.00	\$ 400.00	\$ 400.00
5	Electrical temporary consumtion	ls	1.00	\$ 300.00	\$ 300.00	ls	1.00	\$ 300.00	\$ 300.00
6	Direksikeet	ls	1.00	\$ 900.00	\$ 900.00	ls	1.00	\$ 900.00	\$ 900.00
7	Warehouse material	m ²	1.00	\$ 900.00	\$ 900.00	m ²	1.00	\$ 900.00	\$ 900.00
8	DEMOLISH BUILDING	ls	2.00	\$ 20,000.00	\$ 40,000.00	ls	1.00	\$ 5,000.00	\$ 5,000.00
9	Material Testing Borpile, Tiebeam, lantai	UNIT	4.00	\$ 150.00	\$ 600.00	UNIT	4.00	\$ 150.00	\$ 600.00
II	STRUCTURE WORKS			\$ 467,334.83					\$ 381,430.61
A	GROUND FLOOR			\$ 230,236.09					\$ 145,836.37
	FOUNDATION WORK								
1	Boredpile Drilling Ø 30cm	m'	532.40	\$ 201.81	\$ 107,441.28	m'	532.40	\$ 67.16	\$ 35,754.85
2	Excavation Work for Pilecap (Using heavy equipment)	m ³	28.22	\$ 5.91	\$ 166.69	m ³	28.22	\$ 5.91	\$ 166.69
3	Excavation Work for stone masonry	m ³	287.82	\$ 5.91	\$ 1,700.44	m ³	287.82	\$ 5.91	\$ 1,700.44
4	Geotextile 300 gram laying under and above the Filling gravel including cover around pit hole of pilecap	m ²	216.48	\$ 2.25	\$ 486.56	m ²	216.48	\$ 2.07	\$ 447.50
5	Earth filling of Gravel 70% and sandy 30% with compaction, arrive at foundation base of 2 m, compaction every 20 cm	m ³	15.84	\$ 21.68	\$ 343.41	m ³	15.84	\$ 21.68	\$ 343.41
6	Lean concrete under pilecap (thick 10 cm), f'c 7.4 Mpa	m ³	1.58	\$ 96.48	\$ 152.82	m ³	1.58	\$ 101.32	\$ 160.49
7	Sand fill under pilecap & stone masonry foundation (thick 10 cm)	m ³	19.44	\$ 21.31	\$ 414.34	m ³	19.44	\$ 21.31	\$ 414.34
8	Stone masonry foundation with 1 Pc : 4 sand mortar mixture	m ³	147.23	\$ 81.67	\$ 12,024.36	m ³	147.23	\$ 81.67	\$ 12,024.36
9	Back fill soil under foundation foot plat and stone masonry	m ³	105.35	\$ 1.70	\$ 179.09	m ³	105.35	\$ 1.70	\$ 179.09
10	Earth filling under floor	m ³	61.58	\$ 21.31	\$ 1,312.32	m ³	61.58	\$ 21.31	\$ 1,312.32
11	Sand fill under floor (thick 10 cm)	m ³	21.99	\$ 21.31	\$ 468.69	m ³	21.99	\$ 21.31	\$ 468.69
	CONCRETE WORK								
	Boredpile, Pilecap, Pedestal Work and Steel								
	Reinforcement concrete for Boredpile Ø30cm								
12	Ready mix Concrete (f'c' = 30 Mpa), Slump 12+2, Uji Silinder	m ³	34.52	\$ 217.37	\$ 7,504.37	m ³	34.52	\$ 217.37	\$ 7,504.37
13	Reinforcement steel bars	kg	7332.77	\$ 1.59	\$ 11,644.44	kg	7332.77	\$ 1.59	\$ 11,644.44
	Reinforcement concrete for Pilecap @120x60x80cm								
14	Ready mix Concrete (f'c' = 30 Mpa), Slump 12+2, Uji Silinder	m ³	12.67	\$ 217.37	\$ 2,754.55	m ³	12.67	\$ 217.37	\$ 2,754.55
15	Reinforcement steel bars	kg	2534.19	\$ 1.59	\$ 4,024.29	kg	2534.19	\$ 1.59	\$ 4,024.29
16	Formwork	m ²	63.36	\$ 28.46	\$ 1,803.23	m ²	63.36	\$ 17.52	\$ 1,110.07
	Reinforcement concrete for Pedestal column 450x450 mm								
17	Ready mix Concrete (f'c' = 30 Mpa), Slump 12+2, Uji Silinder	m ³	7.57	\$ 217.37	\$ 1,646.28	m ³	7.57	\$ 217.37	\$ 1,646.28
18	Reinforcement steel bars	kg	1895.49	\$ 1.59	\$ 3,010.04	kg	1895.49	\$ 1.59	\$ 3,010.04
19	Formwork	m ²	67.32	\$ 34.87	\$ 2,347.45	m ²	67.32	\$ 17.52	\$ 1,179.45
	Reinforcement concrete for Tie beam 350x500 mm								
20	Ready mix Concrete (f'c' = 30 Mpa), Slump 12+2, Uji Silinder	m ³	25.83	\$ 217.37	\$ 5,614.75	m ³	25.83	\$ 217.37	\$ 5,614.75
21	Reinforcement steel bars	kg	6711.42	\$ 1.59	\$ 10,657.73	kg	6711.42	\$ 1.59	\$ 10,657.73
22	Formwork	m ²	103.32	\$ 28.46	\$ 2,940.49	m ²	103.32	\$ 28.46	\$ 2,940.49
	Reinforcement concrete for column 450x450 mm, cover the H column								
23	Ready mix Concrete (f'c' = 30 Mpa), Slump 12+2, Uji Silinder	m ³	17.29	\$ 217.37	\$ 3,757.39	m ³	17.29	\$ 217.37	\$ 3,757.39
24	Reinforcement steel bars	kg	1657.50	\$ 1.59	\$ 2,632.10	kg	1657.50	\$ 1.59	\$ 2,632.10
25	Formwork	m ²	76.82	\$ 34.87	\$ 2,678.85	m ²	76.82	\$ 37.90	\$ 2,911.63
26	Profil Concrete	m ³	0.54	\$ 217.37	\$ 117.38	m ³	0.54	\$ 217.37	\$ 117.38
27	Reinforcement steel bars	kg	34.50	\$ 1.59	\$ 54.78	kg	34.50	\$ 1.59	\$ 54.78
28	Formwork	m ²	9.60	\$ 28.46	\$ 273.22	m ²	9.60	\$ 37.90	\$ 363.84
	Steel Structure Required								
	QC Test adapted AWS.D1.1 (American Welding Standard)								
29	Making WPS&PQR (Welding Procedure Specification & Procedure Qualification Record) specimens before starting welding work that have passed the Government Department Test includes: Adapted to AWS D1.1	ls	1.00	\$ 1,000.00	\$ 1,000.00	ls	1.00	\$ 1,000.00	\$ 1,000.00
	Welding tensile and bending mechanical tests								

BILL OF QUANTITY (BOQ)

NAME OF PROJECT : NEW CONSTRUCTION OF DOMINICANA HOUSE BIDAU, DILI

LOCATION : DILI-TIMOR LESTE

No	Item Description	Owner Estimation				Verified by ADN IP			
		Unit	Qty	Unit Price USD (\$)	Amount USD (\$)	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
30	Radiographic NDT Test	ls	1.00	\$ 1,000.00	\$ 1,000.00	ls	1.00	\$ 1,000.00	\$ 1,000.00
	DYE Penetrant NDT Test Reporting is submitted to the Consultant & Owner DYE Penetrant test 20% of all joints Adapted to AWS D1.1 Reporting is submitted to the Consultant & Owner								
31	Anchor D19, refer to detail drawing	kg	313.00	\$ 41.51	\$ 12,992.99	pcs	198.00	\$ 8.80	\$ 1,742.40
32	Base plate connection to H columns thickness 20mm	kg	552.64	\$ 3.49	\$ 1,928.71	kg	552.64	\$ 3.49	\$ 1,928.71
33	Bolt HTB M22 connection between H column and base plate, refer to detail drawing	pcs	176.00	\$ 4.40	\$ 774.40	pcs	176.00	\$ 4.40	\$ 774.40
34	Supply and install H column with given dimension, 250x250x9x14mm, refer to the given drawing	kg	5689.20	\$ 3.49	\$ 19,855.31	kg	5689.20	\$ 3.49	\$ 19,855.31
35	SIKA Grouting under base plate	m3	0.45	\$ 7.87	\$ 3.50	m3	0.45	\$ 7.87	\$ 3.50
36	Wiremesh ground floor, Ø10-200mm	kg	1941.84	\$ 1.24	\$ 2,407.88	kg	1941.84	\$ 1.24	\$ 2,407.88
37	Lean concrete ground floor (thick 10 cm)	m3	21.99	\$ 96.48	\$ 2,121.96	m3	21.99	\$ 101.32	\$ 2,228.41
B FIRST FLOOR					\$ 106,646.21				\$ 106,838.85
38	Supply and install H column with given dimension, 250x250x9x14mm, refer to the given drawing	kg	4551.36	\$ 3.49	\$ 15,884.25	kg	4551.36	\$ 3.49	\$ 15,884.25
	End plate connection columns to columns thickness 20mm	kg	215.88	\$ 3.49	\$ 753.40	kg	215.88	\$ 3.49	\$ 753.40
39	Supply and install IWF Beam with given dimension, 350x175x7x11 mm, refer to the given drawing	kg	9514.86	\$ 3.49	\$ 33,206.85	kg	9514.86	\$ 3.49	\$ 33,206.85
40	End plate connection IWF 350x175x7x11 to columns thickness 16mm	kg	747.32	\$ 3.49	\$ 2,608.15	kg	747.32	\$ 3.49	\$ 2,608.15
41	Supply and install IWF Beam with given dimension, 200x100x5.5x8mm, refer to the given drawing	kg	3504.52	\$ 3.49	\$ 12,230.77	kg	3504.52	\$ 3.49	\$ 12,230.77
42	End plate connection IWF 200x100x5.5x8 to columns thickness 12mm	kg	271.30	\$ 3.49	\$ 946.82	kg	271.30	\$ 3.49	\$ 946.82
43	Bolt HTB M22 connection IWF 200x100x5.5x8 to IWF 350x175x7x11, refer to detail drawing	pcs	176.00	\$ 4.40	\$ 774.40	pcs	176.00	\$ 4.40	\$ 774.40
44	Bolt HTB M22 connection between H column and IWF 350x175x7x11, refer to detail drawing	pcs	680.00	\$ 4.40	\$ 2,992.00	pcs	680.00	\$ 4.40	\$ 2,992.00
45	Bolt HTB M22 connection IWF 200x100x5.5x8 to IWF 350x175x7x11, refer to detail drawing	pcs	432.00	\$ 4.40	\$ 1,900.80	pcs	432.00	\$ 4.40	\$ 1,900.80
46	Stiffener thickness 10mm	kg	659.99	\$ 3.49	\$ 2,303.36	kg	659.99	\$ 3.49	\$ 2,303.36
47	Supply, Install the Galvanis bondel 1000x0.75mm	kg	432.60	\$ 14.72	\$ 6,367.49	kg	432.60	\$ 14.72	\$ 6,367.49
1	Concrete 1st floor t:12 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder								
2	Ready mix Concrete (fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	17.29	\$ 217.37	\$ 3,757.39	m3	17.29	\$ 217.37	\$ 3,757.39
3	Reinforcement steel bars	kg	1662.80	\$ 1.59	\$ 2,640.53	kg	1662.80	\$ 1.59	\$ 2,640.53
4	Formwork	m2	76.82	\$ 34.87	\$ 2,678.85	m2	76.82	\$ 45.88	\$ 3,524.69
	Concrete 1st floor t:12 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder								
	Ready mix Concrete (fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	26.39	\$ 217.37	\$ 5,737.03	m3	26.39	\$ 217.37	\$ 5,737.03
	Wiremesh first floor, Ø10-200mm	kg	1941.84	\$ 1.24	\$ 2,407.88	kg	1941.84	\$ 1.59	\$ 3,083.64
	Formwork	m2	220.73	\$ 42.84	\$ 9,456.24	m2	220.73	\$ 45.88	\$ 10,127.28
C SECOND FLOOR					\$ 93,949.59				\$ 90,108.64
5	Supply and install H column with given dimension, 250x250x9x14mm, refer to the given drawing	kg	2490.32	\$ 3.49	\$ 8,691.21	kg	2490.32	\$ 3.49	\$ 8,691.21
	End plate connection columns to columns thickness 20mm	kg	215.88	\$ 3.49	\$ 753.40	kg	215.88	\$ 3.49	\$ 753.40
6	Supply and install IWF Beam with given dimension, 300x150x6.5x9mm, refer to the given drawing	kg	9067.92	\$ 3.49	\$ 31,647.03	kg	9067.92	\$ 3.49	\$ 31,647.03
	End plate connection IWF 350x175x7x11 to columns thickness 16mm	kg	747.32	\$ 3.49	\$ 2,608.15	kg	747.32	\$ 3.49	\$ 2,608.15
7	Supply and install IWF Beam with given dimension, 200x100x5.5x8mm, refer to the given drawing	kg	3504.52	\$ 3.49	\$ 12,230.77	kg	3504.52	\$ 3.49	\$ 12,230.77
8	End plate connection IWF 200x100x5.5x8 to columns thickness 12mm	kg	271.30	\$ 3.49	\$ 946.82	kg	271.30	\$ 3.49	\$ 946.82
9	Bolt connection between H columns, HTB M22 refer to detail drawing	pcs	96.00	\$ 4.40	\$ 422.40	pcs	96.00	\$ 4.40	\$ 422.40
	Bolt HTB M22 connection between beams, 350x175x7x11mm, refer to the given drawing	pcs	680.00	\$ 4.40	\$ 2,992.00	pcs	680.00	\$ 4.40	\$ 2,992.00
10	Bolt HTB M22 connection IWF 200x100x5.5x8 to IWF 350x175x7x11, refer to detail drawing	pcs	432.00	\$ 4.40	\$ 1,900.80	pcs	432.00	\$ 4.40	\$ 1,900.80
	Stiffener thickness 10mm	kg	659.99	\$ 3.49	\$ 2,303.36	kg	659.99	\$ 3.49	\$ 2,303.36
11	Supply, Install the Galvanis bondel 1000x0.75mm	m2	1262.20	\$ 14.72	\$ 18,578.41	m2	1262.20	\$ 11.43	\$ 14,424.75
12	Reinforcement concrete for column 450x450 mm, cover the H column								
13	Ready mix Concrete (fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	6.32	\$ 217.37	\$ 1,373.36	m3	6.32	\$ 217.37	\$ 1,373.36
14	Reinforcement steel bars	kg	602.37	\$ 1.24	\$ 746.94	kg	602.37	\$ 1.59	\$ 956.56
15	Formwork	m2	28.08	\$ 42.84	\$ 1,202.95	m2	28.08	\$ 45.88	\$ 1,288.31
16	Concrete 2nd floor t:12 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder								
17	Ready mix Concrete (fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	26.39	\$ 217.37	\$ 5,737.03	m3	26.39	\$ 217.37	\$ 5,737.03

BILL OF QUANTITY (BOQ)

NAME OF PROJECT : NEW CONSTRUCTION OF DOMINICANA HOUSE BIDAU, DILI

LOCATION : DILI-TIMOR LESTE

No	Item Description	Owner Estimation				Verified by ADN IP			
		Unit	Qty	Unit Price USD (\$)	Amount USD (\$)	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
18	wiremesh first floor, Ø10-200mm	kg	1262.20	\$ 1.24	\$ 1,565.12	kg	1262.20	\$ 1.24	\$ 1,565.12
19	Formwork	m ²	5.83	\$ 42.84	\$ 249.84	m ²	5.83	\$ 45.88	\$ 267.57
D	ROOFING				\$ 36,502.94				\$ 36,646.75
20	Supply and install IWF Beam with given dimension, 300x150x6.5x9mm, refer to the given drawing	kg	3113.68	\$ 3.49	\$ 10,866.75	kg	3113.68	\$ 3.49	\$ 10,866.75
	End plate connection IWF 350x175x7x11 to columns thickness 16mm	kg	285.74	\$ 3.49	\$ 997.23	kg	285.74	\$ 3.49	\$ 997.23
21	Supply and install IWF Beam with given dimension, 200x100x5.5 x8mm, refer to the given drawing	kg	469.26	\$ 3.49	\$ 1,637.72	kg	469.26	\$ 3.49	\$ 1,637.72
22	End plate connection IWF 200x100x5.5x8 to columns thickness 12mm	kg	82.90	\$ 3.49	\$ 289.31	kg	82.90	\$ 3.49	\$ 289.31
23	Bolt HTB M22 connection between beams, 350x175x7x11mm, refer to the given drawing	pcs	180.00	\$ 4.40	\$ 792.00	pcs	180.00	\$ 4.40	\$ 792.00
	Bolt HTB M22 connection IWF 200x100x5.5x8 to IWF 350x175x7x11, refer to detail drawing	pcs	96.00	\$ 4.40	\$ 422.40	pcs	96.00	\$ 4.40	\$ 422.40
24	Supply and install Rafter with given dimension, 250x125x6x9mm, refer to the given drawing	kg	2091.68	\$ 3.49	\$ 7,299.95	kg	2091.68	\$ 3.49	\$ 7,299.95
25	End plate connection IWF 250x125x6x9 to columns thickness 12mm	kg	329.70	\$ 3.49	\$ 1,150.65	kg	329.70	\$ 3.49	\$ 1,150.65
	Supply and install Purlin CNP with given dimension, 150x50x20x3mm, refer to the given drawing	kg	1774.57	\$ 3.49	\$ 6,193.23	kg	1774.57	\$ 3.49	\$ 6,193.23
26	Bracing Ø12mm	kg	146.72	\$ 3.49	\$ 512.05	kg	146.72	\$ 3.49	\$ 512.05
	Stiffener thickness 10mm	kg	643.21	\$ 3.49	\$ 2,244.80	kg	643.21	\$ 3.49	\$ 2,244.80
	Concrete floor for water tankt:12 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder								
27	Ready mix Concrete (fc' = 30 Mpa), Slump 12+2, Uji Silinder	m ³	2.06	\$ 217.37	\$ 448.66	m ³	2.06	\$ 217.37	\$ 448.66
28	wiremesh first floor, Ø10-200mm	kg	97.09	\$ 1.24	\$ 120.39	kg	97.09	\$ 1.24	\$ 120.39
29	Formwork	m ²	19.19	\$ 42.84	\$ 822.19	m ²	19.19	\$ 45.88	\$ 880.53
	STAIRS								
	Concrete for stairs:10 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder								
30	Ready mix Concrete (fc' = 30 Mpa), Slump 12+2, Uji Silinder	m ³	4.29	\$ 217.37	\$ 931.88	m ³	4.29	\$ 217.37	\$ 931.88
31	Reinforcement steel bars	kg	237.39	\$ 1.24	\$ 294.36	kg	237.39	\$ 1.24	\$ 294.36
32	Formwork	m ²	28.12	\$ 42.84	\$ 1,204.49	m ²	28.12	\$ 45.88	\$ 1,289.96
	Beam for stairs 15/30 cm; Fc' 30 Mpa, Slump 12+2, Uji Silinder								
32	Ready mix Concrete (fc' = 30 Mpa), Slump 12+2, Uji Silinder	m ³	0.32	\$ 217.37	\$ 68.96	m ³	0.32	\$ 217.37	\$ 68.96
33	Reinforcement steel bars	kg	44.71	\$ 1.24	\$ 55.44	kg	44.71	\$ 1.24	\$ 55.44
34	Formwork	m ²	5.29	\$ 28.46	\$ 150.48	m ²	5.29	\$ 28.46	\$ 150.48
B	ARCHITECTURE WORKS				\$ 116,752.70				\$ 116,162.97
A	GROUND FLOOR				\$ 39,383.37				\$ 39,600.46
	WALL WORK								
35	Supply and laying Concrete brick 40x20x10 cm (1pc: 4 sd)	m ²	207.10	\$ 13.14	\$ 2,721.28	m ²	207.10	\$ 13.14	\$ 2,721.28
36	Plastering work 1Pc: 4Sd (thick 15 mm)	m ²	414.20	\$ 5.27	\$ 2,182.82	m ²	414.20	\$ 5.27	\$ 2,182.82
37	Wall rendering work (Acian)	m ²	414.20	\$ 3.23	\$ 1,337.86	m ²	414.20	\$ 3.23	\$ 1,337.86
38	Columns rendering with smooth surface (Acian)	m ²	123.01	\$ 3.23	\$ 397.31	m ²	123.01	\$ 3.23	\$ 397.31
39	Supply and install concrete breeze block 20x20 cm (1pc: 4 sd)	m ²	10.48	\$ 29.82	\$ 312.51	m ²	10.48	\$ 29.82	\$ 312.51
40	Supply and install floor ornaments	m ²	80.68	\$ 25.00	\$ 2,017.04	m ²	80.68	\$ 25.00	\$ 2,017.04
41	Supply and install ornaments at terrace & garage area	m ²	4.94	\$ 15.00	\$ 74.07	m ²	4.94	\$ 15.00	\$ 74.07
42	Supply and install columns ornaments	m ²	12.16	\$ 10.00	\$ 121.58	m ²	12.16	\$ 10.00	\$ 121.58
	CERAMIC WORK								
41	Supply and laying of 600x600 mm Ceramic	m ²	229.14	\$ 26.98	\$ 6,182.26	m ²	229.14	\$ 26.98	\$ 6,182.26
42	Supply and laying of Plint - 100x600 mm	m'	169.95	\$ 3.40	\$ 577.82	m'	169.95	\$ 3.40	\$ 577.82
43	Supply and laying of 200x300 mm Ceramic Tiles anti skip (matt) for toilet	m ²	4.97	\$ 21.12	\$ 105.02	m ²	4.97	\$ 21.12	\$ 105.02
44	Supply and laying of 200x400mm Ceramic Tiles for toilet wall	m ²	33.12	\$ 21.58	\$ 714.73	m ²	33.12	\$ 21.58	\$ 714.73
45	Supply and laying of 200x300 mm Ceramic Tiles anti skip (matt) for stair	m ²	13.60	\$ 21.12	\$ 287.24	m ²	13.60	\$ 21.12	\$ 287.24
46	Supply and laying of Plint - 100x300 mm for stairs	m'	9.96	\$ 3.25	\$ 32.37	m'	9.96	\$ 3.25	\$ 32.37
47	Supply and install granite tile for columns	m ²	61.50	\$ 21.74	\$ 1,337.09	m ²	61.50	\$ 21.74	\$ 1,337.09
	CEILING WORK								
46	Light steel ceiling frame work using 40x40mm RHS ceiling frame	m ²	222.43	\$ 13.02	\$ 2,896.06	m ²	222.43	\$ 13.02	\$ 2,896.06
47	Ceiling cover work with 9 mm gypsum board material. (This work includes installing ceiling coverings with gypsum boards and closing every connection between ceilings using cotton plaster and compound so that no trace of the connection can be seen)	m ²	222.43	\$ 11.79	\$ 2,622.47	m ²	222.43	\$ 11.79	\$ 2,622.47
48	Ceiling list work with 5 cm gypsum profile list	m'	194.26	\$ 3.49	\$ 677.97	m'	194.26	\$ 3.49	\$ 677.97

BILL OF QUANTITY (BOQ)

NAME OF PROJECT : NEW CONSTRUCTION OF DOMINICANA IIHOUSE DIDAU, DILI

LOCATION : DILI-TIMOR LESTE

No	Item Descriptions	Owner Estimation				Verified by ADN IP			
		Unit	Qty	Unit Price USD (\$)	Amount USD (\$)	Unit	Oty	Unit Price USD (\$)	Amount USD (\$)
49	Supply and installing 0.42 Bmt Australia Consul Roof include Frame	m ²	19.52	\$ 32.02	\$ 624.90	m ²	19.52	\$ 32.02	\$ 624.90
	DOOR & WINDOWS WORK								
50	Supply and installation door D1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	2.00	\$ 380.00	\$ 760.00	unit	2.00	\$ 380.00	\$ 760.00
51	Supply and Installation door D2 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	6.00	\$ 240.00	\$ 1,440.00	unit	6.00	\$ 240.00	\$ 1,440.00
52	Supply and installation door D3 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	3.00	\$ 150.00	\$ 450.00	unit	3.00	\$ 150.00	\$ 450.00
53	Supply and Installation window W1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	4.00	\$ 180.00	\$ 720.00	unit	4.00	\$ 180.00	\$ 720.00
54	Supply and installation window W2 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	38.00	\$ 160.00	\$ 6,080.00	unit	38.00	\$ 160.00	\$ 6,080.00
55	Supply and Installation ventilation V1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	11.00	\$ 60.00	\$ 660.00	unit	11.00	\$ 60.00	\$ 660.00
	PAINT WORK								
56	Wall painting with weather shield paint (One layer putty. One layer base paint and two layers cover paint), ex. Nippon or Dulux	m ²	537.21	\$ 4.15	\$ 2,229.40	m ²	537.21	\$ 4.15	\$ 2,229.40
57	Stairs painting with weather shield paint (One layer putty. One layer base paint and two layers cover paint), ex. Nippon or Dulux	m ²	11.57	\$ 4.15	\$ 48.00	m ²	11.57	\$ 4.15	\$ 48.00
58	Column painting with weather shield paint. (One layer putty. One layer base paint and two layers cover paint). ex. Nippon or Dulux	m ²	123.01	\$ 4.15	\$ 510.48	m ²	123.01	\$ 4.15	\$ 510.48
59	Ceiling painting work. (One layer base paint and two layers cover paint)	m ²	222.43	\$ 3.33	\$ 740.32	m ²	222.43	\$ 3.33	\$ 740.32
60	Railing painting	m ²	14.99	\$ 4.01	\$ 60.12	m ²	14.99	\$ 4.01	\$ 60.12
	FINISHING WORK								
61	Supply, fabricating and installing steel railing for stair SHS Steel 40 x 40 x 2 mm	kg	118.95	\$ 2.12	\$ 252.17	kg	118.95	\$ 2.12	\$ 252.17
62	Supply, fabricating and installing steel railing for stair SHS Steel 20 x 20 x 2 mm	kg	99.28	\$ 2.12	\$ 210.48	kg	99.28	\$ 2.12	\$ 210.48
63	Supply, fabricating and installing steel railing for Veranda SHS Steel 50 x 50 x 2 mm and 10x20	m ²	6.40	\$ 33.92	\$ 217.09	m ²	6.40	\$ 33.92	\$ 217.09
B	FIRST FLOOR				\$ 40,923.64				\$ 40,116.82
	WALL WORK								
64	Supply and laying Concrete brick 40x20x10 cm (1pc: 4 sd)	m ²	264.58	\$ 13.14	\$ 3,476.52	m ²	264.58	\$ 13.14	\$ 3,476.52
65	Plastering work 1Pc:4Sd (thick 15 mm)	m ²	529.15	\$ 5.27	\$ 2,788.62	m ²	529.15	\$ 5.27	\$ 2,788.62
66	Wall rendering work (Acian)	m ²	529.15	\$ 3.23	\$ 1,709.15	m ²	529.15	\$ 3.23	\$ 1,709.15
67	Columns rendering with smooth surface (Acian)	m ²	124.16	\$ 3.23	\$ 401.04	m ²	124.16	\$ 3.23	\$ 401.04
68	Supply and install floor ornaments	m ²	80.68	\$ 25.00	\$ 2,017.04	m ²	80.68	\$ 15.00	\$ 1,210.22
69	Supply and install concrete breeze block 20x20 cm (1pc: 4 sd)	m ²	9.92	\$ 29.82	\$ 295.81	m ²	9.92	\$ 29.82	\$ 295.81
	CERAMIC WORK								
70	Supply and laying of 600x600 mm Ceramic for rooms	m ²	208.53	\$ 26.98	\$ 5,626.12	m ²	208.53	\$ 26.98	\$ 5,626.12
71	Supply and laying of Plint - 100x600 mm	m'	181.88	\$ 3.40	\$ 618.38	m'	181.88	\$ 3.40	\$ 618.38
72	Supply and laying of 300x300 mm Ceramic for toilets (anti-slip)	m ²	12.17	\$ 21.12	\$ 257.12	m ²	12.17	\$ 21.12	\$ 257.12
73	Supply and install of 200x400 mm wall Ceramic for toilets	m ²	84.30	\$ 21.58	\$ 1,819.25	m ²	84.30	\$ 21.58	\$ 1,819.25
74	Supply and laying of 200x300 mm Ceramic Tiles anti skip (matt) for stair	m ²	13.60	\$ 21.12	\$ 287.24	m ²	13.60	\$ 21.12	\$ 287.24
75	Supply and laying of Plint - 100x300 mm for stairs	m'	9.96	\$ 3.25	\$ 32.37	m'	9.96	\$ 3.25	\$ 32.37
	CEILING WORK								
76	Light steel ceiling frame work using 40x40mm RHS ceiling frame	m ²	222.43	\$ 13.02	\$ 2,896.06	m ²	222.43	\$ 13.02	\$ 2,896.06
77	Ceiling cover work with 9 mm gypsum board material. (This work includes installing ceiling coverings with gypsum boards and closing every connection between ceilings using cotton plaster and compound so that no trace of the connection can be seen)	m ²	222.43	\$ 11.79	\$ 2,622.47	m ²	222.43	\$ 11.79	\$ 2,622.47
78	Ceiling list work with 5 cm gypsum profile list	m'	194.26	\$ 3.49	\$ 677.97	m'	194.26	\$ 3.49	\$ 677.97
79	Supply and installing 0.42 Bmt Australia Consul Roof include Frame	m ²	15.79	\$ 32.02	\$ 505.66	m ²	15.79	\$ 32.02	\$ 505.66
	DOOR & WINDOWS WORK								
80	Supply and Installation door D1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	2.00	\$ 380.00	\$ 760.00	unit	2.00	\$ 380.00	\$ 760.00

BILL OF QUANTITY (BOQ)

NAME OF PROJECT : NEW CONSTRUCTION OF DOMINICANA HOUSE BIDAU, DILI

LOCATION : DILI-TIMOR LESTE

No	Item Descriptions	Owner Estimation				Verified by ADN IP			
		Unit	Qty	Unit Price USD (\$)	Amount USD (\$)	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
81	Supply and Installation door D2 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	10.00	\$ 240.00	\$ 2,400.00	unit	10.00	\$ 240.00	\$ 2,400.00
82	Supply and Installation door D3 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	6.00	\$ 150.00	\$ 900.00	unit	6.00	\$ 150.00	\$ 900.00
83	Supply and Installation window W1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	4.00	\$ 180.00	\$ 720.00	unit	4.00	\$ 180.00	\$ 720.00
84	Supply and Installation window W2 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	33.00	\$ 160.00	\$ 5,280.00	unit	33.00	\$ 160.00	\$ 5,280.00
85	Supply and Installation ventilation V1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	5.00	\$ 60.00	\$ 300.00	unit	5.00	\$ 60.00	\$ 300.00
	PAINT WORK								
86	Wall painting with weather shield paint (One layer putty. One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	653.31	\$ 4.15	\$ 2,711.25	m2	653.31	\$ 4.15	\$ 2,711.25
87	Stairs painting with weather shield paint (One layer putty. One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	11.57	\$ 4.15	\$ 48.00	m2	11.57	\$ 4.15	\$ 48.00
88	Column painting with weather shield paint. (One layer putty. One layer base paint and two layers cover paint). ex, Nippon or Dulux	m2	123.01	\$ 4.15	\$ 510.48	m2	123.01	\$ 4.15	\$ 510.48
89	Ceiling painting work. (One layer base paint and two layers cover paint).	m2	222.43	\$ 3.33	\$ 740.32	m2	222.43	\$ 3.33	\$ 740.32
90	Railing painting	m2	14.99	\$ 4.01	\$ 60.12	m2	14.99	\$ 4.01	\$ 60.12
	FINISHING WORK								
91	Supply, fabricating and installing steel railing for stair SHS Steel 40 x 40 x 2 mm	kg	118.95	\$ 2.12	\$ 252.17	kg	118.95	\$ 2.12	\$ 252.17
92	Supply, fabricating and installing steel railing for stair SHS Steel 20 x 20 x 2 mm	kg	99.28	\$ 2.12	\$ 210.48	kg	99.28	\$ 2.12	\$ 210.48
93	Supply, fabricating and installing steel railing for Veranda SHS Steel 50 x 50 x 2 mm and 10x20	m2	6.40	\$ 33.92	\$ 217.09	m2	6.40	\$ 33.92	\$ 217.09
C	SECOND FLOOR				\$ 25,032.03				\$ 25,032.03
	WALL WORK								
94	Supply and laying Concrete brick 40x20x10 cm (1pc: 4 sd)	m2	418.51	\$ 13.14	\$ 5,499.22	m2	418.51	\$ 13.14	\$ 5,499.22
95	Plastering work 1Pc: 4sd (thick 15 mm)	m2	837.02	\$ 5.27	\$ 4,411.10	m2	837.02	\$ 5.27	\$ 4,411.10
96	Wall rendering work (Acian)	m2	837.02	\$ 3.23	\$ 2,703.57	m2	837.02	\$ 3.23	\$ 2,703.57
97	Columns rendering with smooth surface (Acian)	m2	31.50	\$ 3.23	\$ 101.75	m2	31.50	\$ 3.23	\$ 101.75
	CERAMIC WORK								
98	Supply and laying of 600x600 mm Ceramic for rooms	m2	120.74	\$ 26.95	\$ 3,253.97	m2	120.74	\$ 26.95	\$ 3,253.97
99	Supply and laying of Plint - 100x600 mm	m'	13.00	\$ 3.40	\$ 44.20	m'	13.00	\$ 3.40	\$ 44.20
100	Supply and laying of 300x300 mm Ceramic for toilets (anti slip)	m2	1.76	\$ 21.12	\$ 37.25	m2	1.76	\$ 21.12	\$ 37.25
101	Supply and install of 200x400 mm wall Ceramic for toilets	m2	21.64	\$ 21.58	\$ 466.99	m2	21.64	\$ 21.58	\$ 466.99
	CEILING WORK								
102	Light steel ceiling frame work using 40x40mm RHS ceiling	m2	101.13	\$ 13.02	\$ 1,316.68	m2	101.13	\$ 13.02	\$ 1,316.68
103	Ceiling cover work with 9 mm gypsum board material. (This work includes installing ceiling coverings with gypsum boards and closing every connection between ceilings using cotton plaster and compound so that no trace of the connection can be seen)	m2	101.13	\$ 11.79	\$ 1,192.29	m2	101.13	\$ 11.79	\$ 1,192.29
104	Ceiling list work with 5 cm gypsum profile list	m'	58.05	\$ 3.49	\$ 202.59	m'	58.05	\$ 3.49	\$ 202.59
	DOOR & WINDOWS WORK								
105	Supply and Installation door D3 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	1.00	\$ 150.00	\$ 150.00	unit	1.00	\$ 150.00	\$ 150.00
106	Supply and Installation ventilation V1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	1.00	\$ 60.00	\$ 60.00	unit	1.00	\$ 60.00	\$ 60.00
	PAINT WORK								
107	Wall painting with weather shield paint (One layer putty. One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	837.02	\$ 4.15	\$ 3,473.63	m2	837.02	\$ 4.15	\$ 3,473.63
108	Column painting with weather shield paint. (One layer putty. One layer base paint and two layers cover paint). ex, Nippon or Dulux	m2	31.50	\$ 4.15	\$ 130.73	m2	31.50	\$ 4.15	\$ 130.73
109	Ceiling painting work. (One layer base paint and two layers cover paint).	m2	101.13	\$ 3.33	\$ 336.58	m2	101.13	\$ 3.33	\$ 336.58
110	Railing painting	m2	40.74	\$ 4.01	\$ 163.37	m2	40.74	\$ 4.01	\$ 163.37

BILL OF QUANTITY (BOQ)

NAME OF PROJECT : NEW CONSTRUCTION OF DOMINICANA HOUSE BIDAU, DILI

LOCATION : DILI-TIMOR LESTE

No	Item Descriptions	Owner Estimation				Verified by ADM IP			
		Unit	Qty	Unit Price USD (\$)	Amount USD (\$)	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
FINISHING WORK									
111	Supply, fabricating and installing steel railing for stair SHS Steel 50 x 50 x 1.3 mm	kg	613.14	\$ 2.12	\$ 1,299.05	kg	613.14	\$ 2.12	\$ 1,299.85
112	Supply, fabricating and installing steel railing for stair SHS Steel 10 x 10 x 1.3 mm	kg	88.80	\$ 2.12	\$ 188.26	kg	88.80	\$ 2.12	\$ 188.26
113	Supply, fabricating and installing steel railing for Veranda SHS Steel 50 x 50 x 2 mm and 10x20	m2	33.60	\$ 33.92	\$ 1,139.71	m2	33.60	\$ 33.92	\$ 1,139.71
D ROOFING									
WALL WORK									
114	Supply and laying Concrete B10C 40X20X10 cm (1pc: 4 sq) for fence	m2	74.08	\$ 13.14	\$ 973.41	m2	74.00	\$ 13.14	\$ 973.41
115	Plastering work 1Pc: 4Sd (thick 15 mm)	m2	148.16	\$ 5.27	\$ 780.80	m2	148.16	\$ 5.27	\$ 780.80
116	Wall rendering work (Acian)	m2	148.16	\$ 3.23	\$ 478.56	m2	148.16	\$ 3.23	\$ 478.56
ROOF									
116	Supply and installing 0.42 Bmt Australia Prime Roofing Corrugated, Fencing/Colorbond Iron Roof Sheetings	m2	387.35	\$ 17.85	\$ 6,914.20	m2	387.35	\$ 17.85	\$ 6,914.20
117	Supply and installing zincalume colorbond ridge cap 0.42 mm Bmt Australia Prime Roofing Corrugated, Fencing/Colorbond Iron Roof Sheetings	m'	38.77	\$ 13.86	\$ 537.35	m'	38.77	\$ 13.86	\$ 537.35
158	Supply and installing lisplank	m'	49.58	\$ 13.86	\$ 687.11	m'	49.58	\$ 13.86	\$ 687.11
STAIRS									
159	Supply, fabricating and installing steel railing for stair SHS Steel 100 x 100 x 2 mm	kg	66.79	\$ 2.12	\$ 141.59	kg	66.79	\$ 2.12	\$ 141.59
160	Supply, fabricating and installing steel railing for stair SHS Steel 100 x 100 x 2 mm	kg	37.26	\$ 2.12	\$ 78.98	kg	37.26	\$ 2.12	\$ 78.98
161	Supply, fabricating and installing steel plate,t:1.3mm	m2	3.25	\$ 23.51	\$ 76.35	m2	3.25	\$ 23.51	\$ 76.35
PAINT WORK									
162	Wall painting with weather shield paint (One layer putty, One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	148.16	\$ 4.15	\$ 614.86	m2	148.16	\$ 4.15	\$ 614.86
163	Railing painting	m2	32.53	\$ 4.01	\$ 130.45	m2	32.53	\$ 4.01	\$ 130.45
C ELECTRICAL									
Panel D/P									
164	Panel Box (Distribution Board) 80x60x250 mm	Pc	1.00	\$ 553.32	\$ 553.32	Pc	1.00	\$ 157.40	\$ 157.40
165	Busbar+Wiring Material	set	1.00	\$ 46.00	\$ 46.00	set	1.00	\$ 46.00	\$ 46.00
Input									
166	Kabel eterna 4*50MM2 NYYHY	Meter	20.00	\$ 50.32	\$ 1,006.40	Meter	20.00	\$ 50.32	\$ 1,006.40
167	-MCB SCHNEIDER 3P 100A	Pc	1.00	\$ 117.78	\$ 117.78	Pc	1.00	\$ 117.78	\$ 117.78
Output									
168	-MCB SCHNEIDER 1P 8A (10 A)	Pcs	5.00	\$ 12.52	\$ 62.60	Pcs	5.00	\$ 9.11	\$ 45.55
169	-MCB SCHNEIDER 1P 12A (16 A)	Pcs	2.00	\$ 12.52	\$ 25.04	Pcs	2.00	\$ 9.11	\$ 18.22
170	-MCB SCHNEIDER 1P 4A	Pcs	4.00	\$ 12.52	\$ 50.08	Pcs	4.00	\$ 9.11	\$ 36.44
171	-MCB SCHNEIDER 1P 6A	Pcs	18.00	\$ 12.52	\$ 225.36	Pcs	18.00	\$ 9.11	\$ 163.98
GROUNDING SYSTEM									
172	-Grounding system max. 2 Ohm	Pcs	1.00	\$ 53.73	\$ 53.73	Pcs	1.00	\$ 40.60	\$ 40.60
173	-Nol Klem (Arde)	Pcs	1.00	\$ 9.50	\$ 9.50	Pcs	1.00	\$ 9.50	\$ 9.50
Cable									
174	-Kabel NYM 3*2.5 (50m)	roll	35.00	\$ 75.00	\$ 2,625.00	Meter	1700.00	\$ 3.98	\$ 6,766.00
Switching									
175	-Saklar 1 gang 1 way 250VA10AX (Schneider)	Pcs	18.00	\$ 5.15	\$ 92.68	Pcs	18.00	\$ 5.15	\$ 92.70
176	-Saklar 2 gang 1 way 250VA10AX (Schneider) (saklar Seri)	Pcs	19.00	\$ 5.67	\$ 107.73	Pcs	19.00	\$ 5.67	\$ 107.73
Switch									
177	1 Gang Schuko Socket Outlet 16A 250V	Pcs	48.00	\$ 5.67	\$ 272.35	Pcs	48.00	\$ 5.67	\$ 272.16
178	-T-Dos Naga 4L	Pcs	200.00	\$ 1.25	\$ 250.00	Pcs	200.00	\$ 1.25	\$ 250.00
Lamp									
179	Downlighter 21 Watt	Pcs	122.00	\$ 18.55	\$ 2,263.10	Pcs	122.00	\$ 16.98	\$ 2,071.56
180	Pipa 3/4 " dia	Pcs	100.00	\$ 4.31	\$ 431.00	Pcs	100.00	\$ 4.24	\$ 424.00
D PLUMBING AND SANITARY WORKS									
A GROUND FLOOR									
SANITARY									
181	Close Coupled Toilet Toto CW421J/SW420JP	unit	3.00	\$ 364.16	\$ 1,092.48	unit	3.00	\$ 364.16	\$ 1,092.48
182	Wastafel Toto LW954	set	4.00	\$ 308.82	\$ 1,235.28	set	4.00	\$ 308.82	\$ 1,235.28
183	Wall Type Faucet	unit	3.00	\$ 8.98	\$ 26.94	unit	3.00	\$ 8.98	\$ 26.94
184	Floor Drain Toto TX1 BV1	unit	3.00	\$ 5.22	\$ 15.66	unit	3.00	\$ 5.22	\$ 15.66
185	Kitchen Concrete Table Include Finishing Ceramic 600x600mm	m3	0.53	\$ 511.19	\$ 268.90	m3	0.53	\$ 511.19	\$ 268.90
186	Kitchen Zink Single Bowl Stainless Steel Include Faucet	set	1.00	\$ 511.19	\$ 511.19	set	1.00	\$ 511.19	\$ 511.19

BILL OF QUANTITY (BOQ)

NAME OF PROJECT: NEW CONSTRUCTION OF DOMINICANA HOUSE BIDAU, DILI

LOCATION : DILI-TIMOR LESTE

No	Item Description	Owner Estimation				Verified by ADN IP			
		Unit	Qty	Unit Price USD (\$)	Amount USD (\$)	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
	PLUMBING								
	CLEAN WATER								
187	PVC Pipe Ø25mm	m'	65.00	\$ 2.88	\$ 187.20	m'	65.00	\$ 2.88	\$ 187.20
188	PVC Pipe Ø25mm (Vertical)	m'	5.00	\$ 2.88	\$ 14.40	m'	5.00	\$ 2.88	\$ 14.40
	WASTE WATER								
189	PVC Pipe Ø50mm	m'	47.00	\$ 7.44	\$ 349.68	m'	47.00	\$ 7.44	\$ 349.68
190	PVC Pipe Ø50mm (Vertical)	m'	5.00	\$ 7.44	\$ 37.20	m'	5.00	\$ 7.44	\$ 37.20
	WATER CLOSED								
191	PVC Pipe Ø50mm	m'	21.00	\$ 7.44	\$ 156.24	m'	21.00	\$ 7.44	\$ 156.24
192	PVC Pipe Ø50mm (Vertical)	m'	5.00	\$ 7.44	\$ 37.20	m'	5.00	\$ 7.44	\$ 37.20
B	FIRST FLOOR				\$ 7,387.06				\$ 7,387.06
	SANITARY								
193	Close Coupled Toilet Toto CW421J/SW420JP	unit	8.00	\$ 364.16	\$ 2,913.28	unit	8.00	\$ 364.16	\$ 2,913.28
194	Wastafel Toto LW954	set	11.00	\$ 308.82	\$ 3,397.02	set	11.00	\$ 308.82	\$ 3,397.02
195	Wall Type Faucet	unit	6.00	\$ 8.98	\$ 53.88	unit	6.00	\$ 8.98	\$ 53.88
196	Floor Drain Toto TX1 BV1	unit	4.00	\$ 5.22	\$ 20.88	unit	4.00	\$ 5.22	\$ 20.88
	PLUMBING								
	CLEAN WATER								
197	PVC Pipe Ø25mm	m'	82.00	\$ 2.88	\$ 236.16	m'	82.00	\$ 2.88	\$ 236.16
198	PVC Pipe Ø25mm (Vertical)	m'	5.00	\$ 2.88	\$ 14.40	m'	5.00	\$ 2.88	\$ 14.40
	WASTE WATER								
199	PVC Pipe Ø50mm	m'	47.00	\$ 7.44	\$ 349.68	m'	47.00	\$ 7.44	\$ 349.68
200	PVC Pipe Ø50mm (Vertical)	m'	5.00	\$ 7.44	\$ 37.20	m'	5.00	\$ 7.44	\$ 37.20
	WATER CLOSED								
201	PVC Pipe Ø50mm	m'	44.00	\$ 7.44	\$ 327.36	m'	44.00	\$ 7.44	\$ 327.36
202	PVC Pipe Ø50mm (Vertical)	m'	5.00	\$ 7.44	\$ 37.20	m'	5.00	\$ 7.44	\$ 37.20
C	SECOND FLOOR				\$ 6,156.48				\$ 6,156.48
	SANITARY								
203	Close Coupled Toilet Toto CW421J/SW420JP	unit	8.00	\$ 364.16	\$ 2,913.28	unit	8.00	\$ 364.16	\$ 2,913.28
204	Wastafel Toto LW954	set	8.00	\$ 308.82	\$ 2,470.56	set	8.00	\$ 308.82	\$ 2,470.56
205	Floor Drain Toto TX1 BV1	unit	8.00	\$ 5.22	\$ 41.76	unit	8.00	\$ 5.22	\$ 41.76
206	Wall Type Faucet	unit	8.00	\$ 8.98	\$ 71.84	unit	8.00	\$ 8.98	\$ 71.84
	PLUMBING								
	CLEAN WATER								
207	PVC Pipe Ø25mm	m'	68.00	\$ 2.88	\$ 195.84	m'	68.00	\$ 2.88	\$ 195.84
208	PVC Pipe Ø25mm (Vertical)	m'	11.00	\$ 2.88	\$ 31.68	m'	11.00	\$ 2.88	\$ 31.68
	WASTE WATER								
209	PVC Pipe Ø50mm	m'	28.00	\$ 7.44	\$ 208.32	m'	28.00	\$ 7.44	\$ 208.32
210	PVC Pipe Ø50mm (Vertical)	m'	10.00	\$ 7.44	\$ 74.40	m'	10.00	\$ 7.44	\$ 74.40
	WATER CLOSED								
211	PVC Pipe Ø50mm	m'	15.00	\$ 7.44	\$ 111.60	m'	15.00	\$ 7.44	\$ 111.60
212	PVC Pipe Ø50mm (Vertical)	m'	5.00	\$ 7.44	\$ 37.20	m'	5.00	\$ 7.44	\$ 37.20
D	ROOF TOP				\$ 1,336.52				\$ 1,336.52
	PLUMBING								
	CLEAN WATER								
213	PVC Pipe Ø25mm	m'	53.00	\$ 2.88	\$ 152.64	m'	53.00	\$ 2.88	\$ 152.64
214	Water Tank 4000 liter	unit	1.00	\$ 1,183.88	\$ 1,183.88	unit	1.00	\$ 1,183.88	\$ 1,183.88
E	MOBILIARIO				\$ 6,500.00				\$ 8,750.00
215	TEMPAT TIDUR UKURAN 1M X 2 METER (KAYU JATI)	unit	15.00	\$ 200.00	\$ 3,000.00	unit	15.00	\$ 200.00	\$ 3,000.00
216	KASUR UKURAN 1 M X 2 METER ASPIRANTE	unit	15.00	\$ 100.00	\$ 1,500.00	unit	15.00	\$ 250.00	\$ 3,750.00
217	LEMARI PAKAIAN 1.20 X 0.50 X 2.180 (KAYU JATI)	unit	10.00	\$ 200.00	\$ 2,000.00	unit	10.00	\$ 200.00	\$ 2,000.00

ADN + SFP

Verifier - Fazendeiro
c/o contrato p/ a
engenheira "Lia da
S. P. M."

SUMMARY

NO	ITEM DESCRIPTION	TOTAL \$ (USD)
I	PRELIMINARY WORK	\$ 4,854.04
II	STRUCTURE WORKS	\$ 258,101.39
III	ARCHITECTURE WORKS	\$ 113,090.90
IV	ELECTRICAL	\$ 8,191.67
A	Construction Cost	\$ 384,238.00
B	Contractor Fee (10% x A)	\$ 38,423.80
C	Overhead	\$ 13,150.00
D	Tax (2% x (A+B+C))	\$ 8,716.24
E	Contingency (5% x A)	\$ 19,211.90
F	TOTAL COST CONSTRUCTION (A+B+C+D+E)	\$ 463,739.94
G	Consultant Fee Design 4%	\$ 15,369.52
H	Consultant Fee Supevision 6% (12 Months)	\$ 23,054.28
I	GRAND TOTAL (F+G+H)	\$ 502,163.74

Prepared By



Eng. Martin S Renu.
Engineering Consultant

Aproved By

Madre Olandina Baptista.Op
Economia Dominicana Timor Leste



AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

**MINISTÉRIO DO PLANEAMENTO INVESTIMENTO ESTRATÉGICO
AGÊNCIA DE DESENVOLVIMENTO NACIONAL, INSTITUTO PÚBLICO**

COST ESTIMATION

PROJECT TITLE

**NEW CONSTRUCTION DOMINICANA
BUILDING**

CHECKED BY:

CERTIFIED BY:

MINESTERIO DO PLANEAMENTO INVESTIMENTO ESTRATEGICO
AGENCIA DESENVOLVIMENTO NACIONAL

SUMMARY

NO	ITEM DESCRIPTION	TOTAL \$ (USD)
I	PRELIMINARY WORK	\$ 45,454.04
II	STRUCTURE WORKS	\$ 467,334.83
III	ARCHITECTURE WORKS	\$ 116,752.70
IV	ELECTRICAL	\$ 8,191.67
V	PLUMBING AND SANITARY WORKS	\$ 18,812.43
VI	MOBILIARIO	\$ 6,500.00
A	Construction Cost	\$ 663,045.67
B	Contractor Fee (10% x A)	\$ 66,304.57
C	Overhead	\$ 13,150.00
D	Tax (2% x (A+B+C))	\$ 14,850.00
E	Contingency (5% x A)	\$ 33,152.28
F	TOTAL COST CONSTRUCTION (A+B+C+D+E)	\$ 790,502.53
	consultan Fee DESINGN 4%	\$ 26,521.83
	Consultan Fee supervisor 6% (12 Month)	\$ 39,782.74
	OVERHEAD 10%	\$ 79,050.25
I	GRAND TOTAL (F+G+H)	\$ 935,857.34

Prepared By

Arg. VAN BASTEN F KOY .M.Arch
Team Leader

Project Owner

Me.OLANDINA BAPTISTA.OP
Economia Dominicana Timor Leste

AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

**MINISTÉRIO DO PLANEAMENTO INVESTIMENTO ESTRATÉGICO
AGÊNCIA DE DESENVOLVIMENTO NACIONAL, INSTITUTO PÚBLICO**

COST ESTIMATION

PROJECT TITLE

**NEW CONSTRUCTION DOMINICANA
BUILDING**

PROJECT OWNER



MISIONARIAS DOMINICANAS DO ROSARIO

PROJECT LOCATION

**BIDAU MOTA KLARAN, CRISTO REI,
DILI**

AGÊNCIA DE DESENVOLVIMENTO NACIONAL, I. P.

**MINISTÉRIO DO PLANEAMENTO INVESTIMENTO ESTRATÉGICO
AGÊNCIA DE DESENVOLVIMENTO NACIONAL, INSTITUTO PÚBLICO**

COST ESTIMATION

PROJECT TITLE

**NEW CONSTRUCTION DOMINICANA
BUILDING**

NO. / / / 2024

APPROVAL SHEET

APPROVED BY:

.....

.....

BILL OF QUANTITY (BOQ)						
DOMINICANA HOUSE BIDAO, DIL						
No	Item Descriptions	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)	
I PRELIMINARY WORK						
1	Mobilisasi and demobilisasi	ls	1.00	\$ 1,000.00	\$ 1,000.00	
2	Clearing area	m2	416.00	\$ 1.40	\$ 582.40	
3	Install bowplank	m'	80.80	\$ 9.55	\$ 771.64	
4	Water consumtion work	ls	1.00	\$ 400.00	\$ 400.00	
5	Electrical temporary consumtion	ls	1.00	\$ 300.00	\$ 300.00	
6	Direksikeet	ls	1.00	\$ 900.00	\$ 900.00	
7	Warehouse material	m2	1.00	\$ 900.00	\$ 900.00	
8	DEMOLISH BUILDING	ls	2.00	\$ 20,000.00	\$ 40,000.00	
9	Material Testing Borpile, Tiebeam, lantai	UNIT	4.00	\$ 150.00	\$ 600.00	
II STRUCTURE WORKS						
A	GROUND FLOOR				\$ 467,334.83	
	FOUNDATION WORK				\$ 230,236.09	
1	Boredpile Drilling Ø 30cm	m'	532.40	\$ 201.81	\$ 107,441.28	
2	Excavation Work for Pilecap (Using heavy equipment)	m3	28.22	\$ 5.91	\$ 166.69	
3	Excavation Work for stone masonry	m3	287.82	\$ 5.91	\$ 1,700.44	
4	Geotextile 300 gram laying under and above the Filling gravel including cover around pit hole of pilecap	m2	216.48	\$ 2.25	\$ 486.56	
5	Earth filling of Gravel 70% and sandy 30% with compaction, arrive at foundation base of 2 m, compaction every 20 cm	m3	15.84	\$ 21.68	\$ 343.41	
6	Lean concrete under pilecap (thick 10 cm), f'c 7.4 Mpa	m3	1.58	\$ 96.48	\$ 152.82	
7	Sand fill under pilecap & stone masonry foundation (thick 10 cm)	m3	19.44	\$ 21.31	\$ 414.34	
8	Stone masonry foundation with 1 Pc : 4 sand mortar mixture	m3	147.23	\$ 81.67	\$ 12,024.36	
9	Back fill soil under foundation foot plat and stone masonry	m3	105.35	\$ 1.70	\$ 179.09	
10	Earth filling under floor	m3	61.58	\$ 21.31	\$ 1,312.32	
11	Sand fill under floor (thick 10 cm)	m3	21.99	\$ 21.31	\$ 460.69	
	CONCRETE WORK					
	Boredpile, Pilecap, Pedestal Work and Steel					
	Reinforcement concrete for Boredpile Ø30cm					
12	Ready mix Concrete (f'c' = 30 Mpa), Slump 12+2, Uji Silinder	m3	34.52	\$ 217.37	\$ 7,504.37	
13	Reinforcement steel bars	kg	7332.77	\$ 1.59	\$ 11,644.44	
	Reinforcement concrete for Pilecap @120x60x80cm					
14	Ready mix Concrete (f'c' = 30 Mpa), Slump 12+2, Uji Silinder	m3	12.67	\$ 217.37	\$ 2,754.55	
15	Reinforcement steel bars	kg	2534.19	\$ 1.59	\$ 4,024.29	
16	Formwork	m2	63.36	\$ 28.46	\$ 1,803.23	
	Reinforcement concrete for Pedestal column 450x450 mm					
17	Ready mix Concrete (f'c' = 30 Mpa), Slump 12+2, Uji Silinder	m3	7.57	\$ 217.37	\$ 1,646.28	
18	Reinforcement steel bars	kg	1895.49	\$ 1.59	\$ 3,010.04	
19	Formwork	m2	67.32	\$ 34.87	\$ 2,347.45	
	Reinforcement concrete for Tie beam 350x500 mm					
20	Ready mix Concrete (f'c' = 30 Mpa), Slump 12+2, Uji Silinder	m3	25.83	\$ 217.37	\$ 5,614.75	
21	Reinforcement steel bars	kg	6711.42	\$ 1.59	\$ 10,657.73	
22	Formwork	m2	103.32	\$ 28.46	\$ 2,940.49	
	Reinforcement concrete for column 450x450 mm, cover the H column					
23	Ready mix Concrete (f'c' = 30 Mpa), Slump 12+2, Uji Silinder	m3	17.29	\$ 217.37	\$ 3,757.39	
24	Reinforcement steel bars	kg	1657.50	\$ 1.59	\$ 2,632.10	
25	Formwork	m2	76.82	\$ 34.87	\$ 2,678.85	
26	Profil Concrete	m3	0.54	\$ 217.37	\$ 117.38	
27	Reinforcement steel bars	kg	34.50	\$ 1.59	\$ 54.78	
28	Formwork	m2	9.60	\$ 28.46	\$ 273.22	
	Steel Structure Required					
	QC Test adapted AWS.D1.1 (American Welding Standard)					

No	Item Descriptions	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
29	Making WPS&PQR (Welding Procedure Specification & Procedure Qualification Record) specimens before starting welding work that have passed the Government Department Test includes: Adapted to AWS D1.1	ls	1.00	\$ 1,000.00	\$ 1,000.00
30	Welding tensile and bending mechanical tests	ls	1.00	\$ 1,000.00	\$ 1,000.00
31	Radiographic NDT Test	ls	1.00	\$ 1,000.00	\$ 1,000.00
32	DYF Penetrant NDT Test Report is submitted to the Consultant & Owner DYF Penetrant test 20% of all joints Adapted to AWS D1.1 Reporting is submitted to the Consultant & Owner				
33	Anchor D19, refere to detail drawing	kg	313.00	\$ 41.51	\$ 12,992.99
34	Base plate connection to H columns thickness 20mm	kg	552.64	\$ 3.49	\$ 1,928.71
35	Bolt HTB M22 connection between H column and base plate, refere to detail drawing	pcs	176.00	\$ 4.40	\$ 774.40
36	Supply and install H column with given dimension, 250x250x9x14mm, refere to the given drawing	kg	5689.20	\$ 3.49	\$ 19,855.31
37	SIKA Grouting under base plate	m3	0.45	\$ 7.87	\$ 3.50
38	Wiremesh ground floor, Ø10-200mm	kg	1941.84	\$ 1.24	\$ 2,407.88
39	Lean concrete ground floor (thick 10 cm)	m3	21.99	\$ 96.48	\$ 2,121.96
B FIRST FLOOR					
40	Supply and install H column with given dimension, 250x250x9x14mm, refere to the given drawing	kg	4551.36	\$ 3.49	\$ 15,884.25
41	End plate connection columns to columns thickness 20mm	kg	215.88	\$ 3.49	\$ 753.40
42	Supply and install IWF Beam with given dimension, 350x175x7x11 mm, refere to the given drawing	kg	9514.86	\$ 3.49	\$ 33,206.85
43	End plate connection IWF 350x175x7x11 to columns thickness 16mm	kg	747.32	\$ 3.49	\$ 2,608.15
44	Supply and install IWF Beam with given dimension, 200x100x5.5x8mm, refere to the given drawing	kg	3504.52	\$ 3.49	\$ 12,230.77
45	End plate connection IWF 200x100x5.5x8 to columns thickness 12mm	kg	271.30	\$ 3.49	\$ 946.82
46	Bolt HTB M22 connection IWF 200x100x5.5x8 to IWF 350x175x7x11, refere to detail drawing	pcs	176.00	\$ 4.40	\$ 774.40
47	Bolt HTB M22 connection between H column and IWF 350x175x7x11, refere to detail drawing	pcs	680.00	\$ 4.40	\$ 2,992.00
48	Bolt HTB M22 connection IWF 200x100x5.5x8 to IWF 350x175x7x11, refere to detail drawing	pcs	432.00	\$ 4.40	\$ 1,900.80
49	Stiffner thickness 10mm	kg	659.99	\$ 3.49	\$ 2,303.36
50	Supply, Install the Galvanis bondek 1000x0.75mm	kg	432.60	\$ 14.72	\$ 6,367.49
51	Concrete 1st floor t:12 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder				
52	Ready mix Concrete (Fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	17.29	\$ 217.37	\$ 3,757.39
53	Reinforcement steel bars	kg	1662.80	\$ 1.59	\$ 2,640.53
54	Formwork	0	76.82	\$ 34.87	\$ 2,678.85
55	Concrete 1st floor t:12 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder				
56	Ready mix Concrete (Fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	26.39	\$ 217.37	\$ 5,737.03
57	Wiremesh first floor, Ø10-200mm	kg	1941.84	\$ 1.24	\$ 2,407.88
58	Formwork	0	220.73	\$ 42.84	\$ 9,456.24
C SECOND FLOOR					
59	Supply and install H column with given dimension, 250x250x9x14mm, refere to the given drawing	kg	2490.32	\$ 3.49	\$ 8,691.21
60	End plate connection columns to columns thickness 20mm	kg	215.88	\$ 3.49	\$ 753.40
61	Supply and install IWF Beam with given dimension, 300x150x6.5x9mm, refere to the given drawing	kg	9067.92	\$ 3.49	\$ 31,647.03
62	End plate connection IWF 350x175x7x11 to columns thickness 16mm	kg	747.32	\$ 3.49	\$ 2,608.15
63	Supply and install IWF Beam with given dimension, 200x100x5.5x8mm, refere to the given drawing	kg	3504.52	\$ 3.49	\$ 12,230.77
64	End plate connection IWF 200x100x5.5x8 to columns thickness 12mm	kg	271.30	\$ 3.49	\$ 946.82
65	Bolt connection between H columns, HTB M22 refere to detail drawing	pcs	96.00	\$ 4.40	\$ 422.40
66	Bolt HTB M22 connection between beams, 350x175x7x11mm, refere to the given drawing	pcs	680.00	\$ 4.40	\$ 2,992.00
67	Bolt HTB M22 connection IWF 200x100x5.5x8 to IWF 350x175x7x11, refere to detail drawing	pcs	432.00	\$ 4.40	\$ 1,900.80
68	Stiffner thickness 10mm	kg	659.99	\$ 3.49	\$ 2,303.36
69	Supply, Install the Galvanis bondek 1000x0.75mm	m2	1262.20	\$ 14.72	\$ 18,578.41
70	Reinforcement concrete for column 450x450 mm, cover the H column				
71	Ready mix Concrete (Fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	6.32	\$ 217.37	\$ 1,373.36
72	Reinforcement steel bars	kg	602.37	\$ 1.24	\$ 746.94
73	Formwork	m2	28.08	\$ 42.84	\$ 1,202.95
74	Concrete 2nd floor t:12 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder				
75	Ready mix Concrete (Fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	26.39	\$ 217.37	\$ 5,737.03
76	Wiremesh first floor, Ø10-200mm	kg	1262.20	\$ 1.24	\$ 1,565.12
77	Formwork	m2	5.83	\$ 42.84	\$ 249.84
D ROOFING					
78	Supply and install IWF Beam with given dimension, 300x150x6.5x9mm, refere to the given drawing	kg	3113.68	\$ 3.49	\$ 10,866.75

No	Item Descriptions	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
	End plate connection IWF 350x175x7x11 to columns thickness 16mm	kg	295.74	\$ 3.49	\$ 997.23
21	Supply and install IWF Beam with given dimension, 200x 100x5.5 x8mm, refere to the given drawing	kg	469.26	\$ 3.49	\$ 1,637.72
22	End plate connection IWF 200x100x5.5x8 to columns thickness 12mm	kg	82.90	\$ 3.49	\$ 289.31
23	Bolt HTB M22 connection between beams, 350x175x7x11mm, refere to the given drawing	pcs	180.00	\$ 4.40	\$ 792.00
	Bolt HTB M22 connection IWF 200x100x5.5x8 to IWF 350x175x7x11, refere to detail drawing	pcs	96.00	\$ 4.40	\$ 422.40
24	Supply and install Rafter with given dimension, 250x125x6x9mm, refere to the given drawing	kg	2091.68	\$ 3.49	\$ 7,299.95
25	End plate connection IWF 250x125x6x9 to columns thickness 12mm	kg	329.70	\$ 3.49	\$ 1,150.65
	Supply and install Purlin CNP with given dimension, 150x50x20x3mm, refere to the given drawing	kg	1774.57	\$ 3.49	\$ 6,193.23
26	Bracing Ø12mm	kg	146.72	\$ 3.49	\$ 512.05
	Stiffner thickness 10mm	kg	643.21	\$ 3.49	\$ 2,244.80
	Concrete floor for water tankt:12 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder				
27	Ready mix Concrete (Fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	2.06	\$ 217.37	\$ 448.66
28	wiremesh first floor, Ø10-200mm	kg	97.09	\$ 1.24	\$ 120.39
29	Formwork	m2	19.19	\$ 42.84	\$ 822.19
	STAIRS				
	Concrete for stairs:10 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder				
30	Ready mix Concrete (Fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	4.29	\$ 217.37	\$ 931.88
31	Reinforcement steel bars	kg	237.39	\$ 1.24	\$ 294.36
32	Formwork	m2	28.12	\$ 42.84	\$ 1,204.49
	Beam for stairs 15/30 cm, Fc' 30 Mpa, Slump 12+2, Uji Silinder				
32	Ready mix Concrete (Fc' = 30 Mpa), Slump 12+2, Uji Silinder	m3	0.32	\$ 217.37	\$ 68.96
33	Reinforcement steel bars	kg	44.71	\$ 1.24	\$ 55.44
34	Formwork	m2	5.29	\$ 28.46	\$ 150.48
B	ARCHITECTURE WORKS				\$ 116,752.70
A	GROUND FLOOR				\$ 39,383.37
	WALL WORK				
35	Supply and laying Concrete brick 40x20x10 cm (1pc: 4 sd)	m2	207.10	\$ 13.14	\$ 2,721.28
36	Plastering work 1Pc: 4sd (thick 15 mm)	m2	414.20	\$ 5.27	\$ 2,182.82
37	Wall rendering work (Acian)	m2	414.20	\$ 3.23	\$ 1,337.86
38	Columns rendering with smooth surface (Acian)	m2	123.01	\$ 3.23	\$ 397.31
39	Supply and install concrete breeze block 20x20 cm (1pc: 4 sd)	m2	10.48	\$ 29.82	\$ 312.51
40	Supply and install floor ornaments	m2	80.68	\$ 25.00	\$ 2,017.04
41	Supply and install ornaments at terrace & garage area	m2	4.94	\$ 15.00	\$ 74.07
42	Supply and install columns ornaments	m2	12.16	\$ 10.00	\$ 121.58
	CERAMIC WORK				
41	Supply and laying of 600x600 mm Ceramic	m2	229.14	\$ 26.98	\$ 6,182.26
42	Supply and laying of Plint - 100x600 mm	m'	169.95	\$ 3.40	\$ 577.82
43	Supply and laying of 200x300 mm Ceramic Tiles anti skip (matt) for toilet	m2	4.97	\$ 21.12	\$ 105.02
44	Supply and laying of 200x400mm Ceramic Tiles for toilet wall	m2	33.12	\$ 21.58	\$ 714.73
45	Supply and laying of 200x300 mm Ceramic Tiles anti skip (matt) for stair	m2	13.60	\$ 21.12	\$ 287.24
46	Supply and laying of Plint - 100x300 mm for stairs	m'	9.96	\$ 3.25	\$ 32.37
47	Supply and install granite tile for columns	m2	61.50	\$ 21.74	\$ 1,337.09
	CEILING WORK				
46	Light steel ceiling frame work using 40x40mm RHS ceiling frame	m2	222.43	\$ 13.02	\$ 2,896.06
47	Ceiling cover work with 9 mm gypsum board material. (This work includes installing ceiling coverings with gypsum boards and closing every connection between ceilings using cotton plaster and compound so that no trace of the connection can be seen)	m2	222.43	\$ 11.79	\$ 2,622.47
48	Ceiling list work with 5 cm gypsum profile list	m'	194.26	\$ 3.49	\$ 677.97
49	Supply and installing 0.42 Bmt Australia Consul Roof include Frame	m2	19.52	\$ 32.02	\$ 624.90
	DOOR & WINDOWS WORK				
50	Supply and Installation door D1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	2.00	\$ 380.00	\$ 760.00
51	Supply and Installation door D2 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	6.00	\$ 240.00	\$ 1,440.00
52	Supply and Installation door D3 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	3.00	\$ 150.00	\$ 450.00
53	Supply and Installation window W1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	4.00	\$ 180.00	\$ 720.00
54	Supply and Installation window W2 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	38.00	\$ 160.00	\$ 6,080.00

No	Item Descriptions	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
55	Supply and Installation ventilation V1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	11.00	\$ 60.00	\$ 660.00
	PAINT WORK				
56	Wall painting with weather shield paint (One layer putty, One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	537.21	\$ 4.15	\$ 2,229.40
57	Stairs painting with weather shield paint (One layer putty, One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	11.57	\$ 4.15	\$ 48.00
58	Column painting with weather shield paint. (One layer putty, One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	123.01	\$ 4.15	\$ 510.48
59	Ceiling painting work. (One layer base paint and two layers cover paint).	m2	222.43	\$ 3.33	\$ 740.32
60	Railing painting	m2	14.99	\$ 4.01	\$ 60.12

No	Item Descriptions	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
FINISHING WORK					
61	Supply, fabricating and installing steel railing for stair SHS Steel 40 x 40 x 2 mm	kg	118.95	\$ 2.12	\$ 252.17
62	Supply, fabricating and installing steel railing for stair SHS Steel 20 x 20 x 2 mm	kg	99.28	\$ 2.12	\$ 210.48
63	Supply, fabricating and installing steel railing for Veranda SHS Steel 50 x 50 x 2 mm and 10x20	m2	6.40	\$ 33.92	\$ 217.09
B	FIRST FLOOR				\$ 40,923.64
WALL WORK					
64	Supply and laying Concrete brick 40x20x10 cm (1pc: 4 sd)	m2	264.58	\$ 13.14	\$ 3,476.52
65	Plastering work 1Pc:4Sd (thick 15 mm)	m2	529.15	\$ 5.27	\$ 2,788.62
66	Wall rendering work (Acian)	m2	529.15	\$ 3.23	\$ 1,709.15
67	Columns rendering with smooth surface (Acian)	m2	124.16	\$ 3.23	\$ 401.04
68	Supply and install floor ornaments	m2	80.68	\$ 25.00	\$ 2,017.04
69	Supply and install concrete breeze block 20x20 cm (1pc: 4 sd)	m2	9.92	\$ 29.82	\$ 295.81
CERAMIC WORK					
70	Supply and laying of 600x600 mm Ceramic for rooms	m2	208.53	\$ 26.98	\$ 5,626.12
71	Supply and laying of Plint - 100x600 mm	m'	181.88	\$ 3.40	\$ 618.30
72	Supply and laying of 300x300 mm Ceramic for toilets (anti slip)	m2	12.17	\$ 21.12	\$ 257.12
73	Supply and install of 200x400 mm wall Ceramic for toilets	m2	84.30	\$ 21.58	\$ 1,819.25
74	Supply and laying of 200x300 mm Ceramic Tiles anti slip (matt) for stair	m2	13.60	\$ 21.12	\$ 287.24
75	Supply and laying of Plint - 100x300 mm for stairs	m'	9.96	\$ 3.25	\$ 32.37
CEILING WORK					
76	Light steel ceiling frame work using 40x40mm RHS ceiling frame	m2	222.43	\$ 13.02	\$ 2,896.06
77	Ceiling cover work with 9 mm gypsum board material. (This work includes installing ceiling coverings with gypsum boards and closing every connection between ceilings using cotton plaster and compound so that no trace of the connection can be seen)	m2	222.43	\$ 11.79	\$ 2,622.47
78	Ceiling list work with 5 cm gypsum profile list	m'	194.26	\$ 3.49	\$ 677.97
79	Supply and installing 0.42 Bmt Australia Consul Roof include Frame	m2	15.79	\$ 32.02	\$ 505.66
DOOR & WINDOWS WORK					
80	Supply and Installation door D1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	2.00	\$ 380.00	\$ 760.00
81	Supply and Installation door D2 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	10.00	\$ 240.00	\$ 2,400.00
82	Supply and Installation door D3 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	6.00	\$ 150.00	\$ 900.00
83	Supply and Installation window W1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	4.00	\$ 180.00	\$ 720.00
84	Supply and Installation window W2 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	33.00	\$ 160.00	\$ 5,280.00
85	Supply and Installation ventilation V1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	5.00	\$ 60.00	\$ 300.00
PAINT WORK					
86	Wall painting with weather shield paint (One layer putty, One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	653.31	\$ 4.15	\$ 2,711.25
87	Stairs painting with weather shield paint (One layer putty, One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	11.57	\$ 4.15	\$ 48.00
88	Column painting with weather shield paint. (One layer putty, One layer base paint and two layers cover paint). ex, Nippon or Dulux	m2	123.01	\$ 4.15	\$ 510.48
89	Ceiling painting work. (One layer base paint and two layers cover paint).	m2	222.43	\$ 3.33	\$ 740.32
90	Railing painting	m2	14.99	\$ 4.01	\$ 60.12
FINISHING WORK					
91	Supply, fabricating and installing steel railing for stair SHS Steel 40 x 40 x 2 mm	kg	118.95	\$ 2.12	\$ 252.17
92	Supply, fabricating and installing steel railing for stair SHS Steel 20 x 20 x 2 mm	kg	99.28	\$ 2.12	\$ 210.48
93	Supply, fabricating and installing steel railing for Veranda SHS Steel 50 x 50 x 2 mm and 10x20	m2	6.40	\$ 33.92	\$ 217.09
C	SECOND FLOOR				\$ 25,032.03
WALL WORK					
94	Supply and laying Concrete brick 40x20x10 cm (1pc: 4 sd)	m2	418.51	\$ 13.14	\$ 5,499.22
95	Plastering work 1Pc: 4Sd (thick 15 mm)	m2	837.02	\$ 5.27	\$ 4,411.10
96	Wall rendering work (Acian)	m2	837.02	\$ 3.23	\$ 2,703.57
97	Columns rendering with smooth surface (Acian)	m2	31.50	\$ 3.23	\$ 101.75

No	Item Descriptions	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
CERAMIC WORK					
98	Supply and laying of 600x600 mm Ceramic for rooms	m2	120.74	\$ 26.95	\$ 3,253.97
99	Supply and laying of Plint - 100x600 mm	m'	13.00	\$ 3.40	\$ 44.20
100	Supply and laying of 300x300 mm Ceramic for toilets (anti slip)	m2	1.76	\$ 21.12	\$ 37.25
101	Supply and install of 200x400 mm wall Ceramic for toilets	m2	21.64	\$ 21.58	\$ 466.99
CEILING WORK					
102	Light steel ceiling frame work using 40x40mm RHS ceiling frame	m2	101.13	\$ 13.02	\$ 1,316.68
103	Ceiling cover work with 9 mm gypsum board material. (This work includes installing ceiling coverings with gypsum boards and closing every connection between ceilings using cotton plaster and compound so that no trace of the connection can be seen)	m2	101.13	\$ 11.79	\$ 1,192.29
104	Ceiling list work with 5 cm gypsum profile list	m'	50.05	\$ 3.49	\$ 202.59
DOOR & WINDOWS WORK					
105	Supply and Installation door D3 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	1.00	\$ 150.00	\$ 150.00
106	Supply and Installation ventilation V1 complete with accessories (frame, leaf, hinge, lock and other accessories needed)	unit	1.00	\$ 60.00	\$ 60.00
PAINT WORK					
107	Wall painting with weather shield paint (One layer putty. One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	837.02	\$ 4.15	\$ 3,473.63
108	Column painting with weather shield paint. (One layer putty. One layer base paint and two layers cover paint). ex, Nippon or Dulux	m2	31.50	\$ 4.15	\$ 130.73
109	Ceiling painting work. (One layer base paint and two layers cover paint).	m2	101.13	\$ 3.33	\$ 336.58
110	Railing painting	m2	40.74	\$ 4.01	\$ 163.37
FINISHING WORK					
111	Supply, fabricating and installing steel railing for stair SHS Steel 50 x 50 x 1.3 mm	kg	613.14	\$ 2.12	\$ 1,299.85
112	Supply, fabricating and installing steel railing for stair SHS Steel 10 x 10 x 1.3 mm	kg	88.80	\$ 2.12	\$ 188.26
113	Supply, fabricating and installing steel railing for Veranda SHS Steel 50 x 50 x 2 mm and 10x20	m2	33.60	\$ 33.92	\$ 1,139.71
D ROOFING					
WALL WORK					
114	Supply and laying Concrete brick 40x20x10 cm (1pc: 4 sd) for roofing	m2	74.08	\$ 13.14	\$ 973.41
115	Plastering work 1Pc: 4Sd (thick 15 mm)	m2	148.16	\$ 5.27	\$ 780.80
116	Wall rendering work (Acian)	m2	148.16	\$ 3.23	\$ 478.56
ROOF					
116	Supply and installing 0.42 Bmt Australia Prime Roofing Corrugated, Fencing/Colorbond Iron Roof Sheetings	m2	387.35	\$ 17.85	\$ 6,914.20
117	Supply and installing zincalume colorbond ridge cap 0.42 mm Bmt Australia Prime Roofing Corrugated, Fencing/Colorbond Iron Roof Sheetings	m'	38.77	\$ 13.86	\$ 537.35
158	Supply and installing lisplank	m'	49.58	\$ 13.86	\$ 687.11
STAIRS					
159	Supply, fabricating and installing steel railing for stair SHS Steel 100 x 100 x 2 mm	kg	66.79	\$ 2.12	\$ 141.59
160	Supply, fabricating and installing steel railing for stair SHS Steel 40 x 40 x 2 mm	kg	37.26	\$ 2.12	\$ 78.98
161	Supply, fabricating and installing steel plate,t:1.3mm	m2	3.25	\$ 23.51	\$ 76.35
PAINT WORK					
162	Wall painting with weather shield paint (One layer putty. One layer base paint and two layers cover paint), ex, Nippon or Dulux	m2	148.16	\$ 4.15	\$ 614.86
163	Railing painting	m2	32.53	\$ 4.01	\$ 130.45
C ELECTRICAL					
Panel D/P					
164	Panel Box (Distribution Board) 80x60x250 mm	Pc	1.00	\$ 553.32	\$ 553.32
165	Busbar+Wiring Material	set	1.00	\$ 46.00	\$ 46.00
Input					
166	Kabel eterna 4*50MM2 NYHYHY	Meter	20.00	\$ 50.32	\$ 1,006.40
167	-MCB SCHNEIDER 3P 100A	Pc	1.00	\$ 117.78	\$ 117.78
Output					
168	-MCB SCHNEIDER 1P 8A (10 A)	Pcs	5.00	\$ 12.52	\$ 62.60
169	-MCB SCHNEIDER 1P 12A (16 A)	Pcs	2.00	\$ 12.52	\$ 25.04
170	-MCB SCHNEIDER 1P 4A	Pcs	4.00	\$ 12.52	\$ 50.08

No	Item Description	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
171	-MCB SCHNEIDER 1P 6A	Pcs	18.00	\$ 12.52	\$ 225.36
	GROUNDING SYSTEM				
172	-Grounding system max. 2 Ohm	Pcs	1.00	\$ 53.73	\$ 53.73
173	-Nol Klem (Arde)	Pcs	1.00	\$ 9.50	\$ 9.50
	Cable				
174	-Kabel NYM 3*2.5 (50m)	roll	35.00	\$ 75.00	\$ 2,625.00
	Switching				
175	-Saldar 1 gang 1 way 250VA10AX (Schneider)	Pcs	18.00	\$ 5.15	\$ 92.68
176	-Saldar 2 gang 1 way 250VA10AX (Schneider) (saldar Seri)	Pcs	19.00	\$ 5.67	\$ 107.73
	Switch				
177	1 Gang Schuko Socket Outlet 16A 250V	Pcs	48.00	\$ 5.67	\$ 272.35
178	-T-Dos Naga 4L	Pcs	200.00	\$ 1.25	\$ 250.00
	Lamp				
179	Downlighter 21 Watt	Pcs	122.00	\$ 18.55	\$ 2,263.10
180	Pipa 3/4 " dia	Pcs	100.00	\$ 4.31	\$ 431.00
D	PLUMBING AND SANITARY WORKS				\$ 18,812.43
A	GROUND FLOOR				\$ 3,932.37
	SANITARY				
181	Close Coupled Toilet Toto CW421/SW420JP	unit	3.00	\$ 364.16	\$ 1,092.48
182	Wastafel Toto LW954	set	4.00	\$ 308.82	\$ 1,235.28
183	Wall Type Faucet	unit	3.00	\$ 8.98	\$ 26.94
184	Floor Drain Toto TX1 BV1	unit	3.00	\$ 5.22	\$ 15.66
185	Kitchen Concrete Table Include Finishing Ceramic 600x600mm	m3	0.53	\$ 511.19	\$ 268.90
186	Kitchen Zink Single Bowl Stainless Steel Include Faucet	set	1.00	\$ 511.19	\$ 511.19
	PLUMBING				
	CLEAN WATER				
187	PVC Pipe Ø25mm	m'	65.00	\$ 2.88	\$ 187.20
188	PVC Pipe Ø25mm (Vertical)	m'	5.00	\$ 2.88	\$ 14.40
	WASTE WATER				
189	PVC Pipe Ø50mm	m'	47.00	\$ 7.44	\$ 349.68
190	PVC Pipe Ø50mm (Vertical)	m'	5.00	\$ 7.44	\$ 37.20
	WATER CLOSED				
191	PVC Pipe Ø50mm	m'	21.00	\$ 7.44	\$ 156.24
192	PVC Pipe Ø50mm (Vertical)	m'	5.00	\$ 7.44	\$ 37.20
B	FIRST FLOOR				\$ 7,387.06
	SANITARY				
193	Close Coupled Toilet Toto CW421J/SW420JP	unit	8.00	\$ 364.16	\$ 2,913.28
194	Wastafel Toto LW954	set	11.00	\$ 308.82	\$ 3,397.02
195	Wall Type Faucet	unit	6.00	\$ 8.98	\$ 53.88
196	Floor Drain Toto TX1 BV1	unit	4.00	\$ 5.22	\$ 20.88
	PLUMBING				
	CLEAN WATER				
197	PVC Pipe Ø25mm	m'	82.00	\$ 2.88	\$ 236.16
198	PVC Pipe Ø25mm (Vertical)	m'	5.00	\$ 2.88	\$ 14.40
	WASTE WATER				
199	PVC Pipe Ø50mm	m'	47.00	\$ 7.44	\$ 349.68
200	PVC Pipe Ø50mm (Vertical)	m'	5.00	\$ 7.44	\$ 37.20
	WATER CLOSED				
201	PVC Pipe Ø50mm	m'	44.00	\$ 7.44	\$ 327.36
202	PVC Pipe Ø50mm (Vertical)	m'	5.00	\$ 7.44	\$ 37.20
C	SECOND FLOOR				\$ 6,156.48
	SANITARY				
203	Close Coupled Toilet Toto CW421J/SW420JP	unit	8.00	\$ 364.16	\$ 2,913.28

No	Item Descriptions	Unit	Qty	Unit Price USD (\$)	Amount USD (\$)
204	Wastafel Toto LW954	set	8.00	\$ 308.82	\$ 2,470.56
205	Floor Drain Toto TX1 BV1	unit	8.00	\$ 5.22	\$ 41.76
206	Wall Type Faucet	unit	8.00	\$ 8.98	\$ 71.84
	PLUMBING				
	CLEAN WATER				
207	PVC Pipe Ø25mm	m'	68.00	\$ 2.88	\$ 195.84
208	PVC Pipe Ø25mm (Vertical)	m'	11.00	\$ 2.88	\$ 31.68
	WASTE WATER				
209	PVC Pipe Ø50mm	m'	28.00	\$ 7.44	\$ 208.32
210	PVC Pipe Ø50mm (Vertical)	m'	10.00	\$ 7.44	\$ 74.40
	WATER CLOSED				
211	PVC Pipe Ø50mm	m'	15.00	\$ 7.44	\$ 111.60
212	PVC Pipe Ø50mm (Vertical)	m'	5.00	\$ 7.44	\$ 37.20
D	ROOF TOP				\$ 1,336.52
	PLUMBING				
	CLEAN WATER				
213	PVC Pipe Ø25mm	m'	53.00	\$ 2.88	\$ 152.64
214	Water Tank 4000 liter	unit	1.00	\$ 1,183.88	\$ 1,183.88
E	MOBILIARIO				\$ 6,500.00
215	TEMPAT TIDUR UKURAN 1M X 2 METER (KAYU JATI)	unit	15.00	\$ 200.00	\$ 3,000.00
216	KASUR UKURAN 1 M X 2 METER ASPIRANTE	unit	15.00	\$ 100.00	\$ 1,500.00
217	LEMARI PAKAIAN 1.20 X 0.50 X 2.180 (KAYU JATI)	unit	10.00	\$ 200.00	\$ 2,000.00



**MINISTÉRIO DO PLANO
E ORDENAMENTO
VII GOVERNO CONSTITUCIONAL**

Agenzia di
Desenvolvimento
Nacional - Instituto Pediátrico

UNIT PRICE ANALYSIS (UPA)

NO.	URAIAN			MARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
1	PEKERJAAN PERSIAPAN						
1	1 M' Pagar sementara dari seng gelombang, tinggi 2m (tiang dicor beton)						
1.2514	Btg.	Dolken		\$ 1.50	\$ 1.88		\$ 1.68
2.5000	Kg.	Semen Portland		\$ 0.13	\$ 0.32		\$ 0.32
1.2158	Lbr.	Seng BJLS 0.20mm		\$ 2.75	\$ 3.34		\$ 3.34
0.0050	M ³	Pasir pasang		\$ 22.35	\$ 0.11		\$ 0.11
0.0090	M ³	batu pecah		\$ 48.02	\$ 0.43		\$ 0.43
0.0410	M ³	Kayu balok kelas III (5/7)		\$ 300.00	\$ 12.30		\$ 12.30
0.0829	Kg.	Paku 2" - 5"		\$ 1.92	\$ 0.16		\$ 0.16
0.4616	Kg.	Residu		\$ 1.00	\$ 0.46		\$ 0.46
0.2495	Oh	Pekerja		\$ 7.00		\$ 1.75	\$ 1.75
0.2858	Oh	Tukang kayu		\$ 12.00		\$ 3.43	\$ 3.43
0.0200	Oh	Kepala Tukang		\$ 13.00		\$ 0.26	\$ 0.26
0.0200	Oh	Mandor		\$ 14.00		\$ 0.28	\$ 0.28
Jumlah harga per satuan pekerjaan				\$ 19.00	\$ 5.72	\$ 24.72	
2	1 M' Pagar sementara dari seng gelombang, tinggi 2m (tiang tidak dicor beton)						
2.0000	Btg.	Dolken		\$ 1.50	\$ 3.00		\$ 3.00
1.2158	Lbr.	Seng BJLS 0.20mm		\$ 2.75	\$ 3.34		\$ 3.34
0.0829	Kg.	Paku 2" - 5"		\$ 1.92	\$ 0.16		\$ 0.16
0.4616	Kg.	Residu		\$ 1.00	\$ 0.46		\$ 0.46
0.2495	Oh	Pekerja		\$ 7.00		\$ 1.75	\$ 1.75
0.2858	Oh	Tukang kayu		\$ 12.00		\$ 3.43	\$ 3.43
0.0200	Oh	Kepala Tukang		\$ 13.00		\$ 0.26	\$ 0.26
0.0200	Oh	Mandor		\$ 14.00		\$ 0.28	\$ 0.28
Jumlah harga per satuan pekerjaan				\$ 6.96	\$ 5.72	\$ 12.68	
3	1 M' Pengaturan & pemasangan bouwplant						
0.0177	M ³	Kayu balok kelas III (5/7)		\$ 300.00	\$ 5.31		\$ 5.31
0.0200	Kg.	Paku 2" - 5"		\$ 1.92	\$ 0.04		\$ 0.04
0.0070	M ³	Kayu papan kelas III		\$ 300.00	\$ 2.10		\$ 2.10
0.1000	Oh	Pekerja		\$ 7.00		\$ 0.70	\$ 0.70
0.1000	Oh	Tukang kayu		\$ 12.00		\$ 1.20	\$ 1.20
0.0100	Oh	Kepala Tukang		\$ 13.00		\$ 0.13	\$ 0.13
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
Jumlah harga per satuan pekerjaan				\$ 7.45	\$ 2.10	\$ 9.55	
4	1 M ² Pembuatan gudang semen dan alat-alat						
1.7000	Btg.	Dolken		\$ 1.50	\$ 2.55		\$ 2.55
0.2074	M ³	Kayu balok kelas III (5/7)		\$ 300.00	\$ 62.22		\$ 62.22
0.3000	Kg.	Paku 2" - 5"		\$ 1.92	\$ 0.58		\$ 0.58
10.5000	Kg.	Semen Portland		\$ 0.13	\$ 1.34		\$ 1.34
0.0300	M ³	Pasir beton		\$ 22.35	\$ 0.67		\$ 0.67
0.0500	M ³	batu pecah		\$ 48.02	\$ 2.40		\$ 2.40
1.5306	Lbr.	Seng BJLS 0.28mm		\$ 6.00	\$ 9.18		\$ 9.18
1.0000	Oh	Pekerja		\$ 7.00		\$ 7.00	\$ 7.00
2.0000	Oh	Tukang kayu		\$ 12.00		\$ 24.00	\$ 24.00
0.2000	Oh	Kepala tukang		\$ 13.00		\$ 2.60	\$ 2.60
0.0500	Oh	Mandor		\$ 14.00		\$ 0.70	\$ 0.70
Jumlah harga per satuan pekerjaan				\$ 78.94	\$ 34.30	\$ 113.24	
5	1M ² Pembuatan rumah jaga/konstrusi kayu						
3.0500	Btg.	Dolken		\$ 1.50	\$ 4.58		\$ 4.58
0.2807	M ³	Kayu balok kelas III (5/10)		\$ 300.00	\$ 84.21		\$ 84.21
0.7117	Kg.	Paku 2" - 5"		\$ 1.92	\$ 1.36		\$ 1.36
1.7090	Lbr.	Seng BJLS 0.28mm		\$ 6.00	\$ 10.25		\$ 10.25
1.0167	Oh	Pekerja		\$ 7.00		\$ 7.12	\$ 7.12
1.5250	Oh	Tukang kayu		\$ 12.00		\$ 18.30	\$ 18.30
0.1527	Oh	Kepala tukang		\$ 13.00		\$ 1.99	\$ 1.99
0.0510	Oh	Mandor		\$ 14.00		\$ 0.71	\$ 0.71
Jumlah harga per satuan pekerjaan				\$ 100.40	\$ 26.12	\$ 126.52	
6	1 M ² Membersihkan lapangan dan perataan						
0.1000	Oh	Pekerja		\$ 7.00		\$ 0.70	\$ 0.70
0.0500	Oh	Mandor		\$ 14.00		\$ 0.70	\$ 0.70
Jumlah harga per satuan pekerjaan				\$ -	\$ 1.40	\$ 1.40	
7	1 Buah Pemasangan papan nama proyek						
1.0000	Bh	Papan nama proyek		\$ 65.00	\$ 65.00		\$ 65.00



MINISTÉRIO DO PLANO
E ORDENAMENTO
VIII GOVERNO CONSTITUCIONAL

Agenzia di
Desenvolvimento -
Avançar e Desenvolver Pudim

UNIT PRICE ANALYSIS (UPA)

NO.	URAIAN			HARGA \$			
	SATUAN	BAHAN	UPAH	JUMLAH			
0.0235	M ³	Kayu balok kelas II (5/7)	\$ 340.00	\$ 7.99			\$ 7.99
0.1665	Kg.	Paku 10cm	\$ 1.92	\$ 0.32			\$ 0.32
0.2503	Oh	Pekerja	\$ 7.00		\$ 1.75		\$ 1.75
0.0443	Oh	Mandor	\$ 14.00		\$ 0.62		\$ 0.62
Jumlah harga per satuan pekerjaan				\$ 73.31	\$ 2.37		\$ 75.68
8	1 M² Pembuatan bedeng buruh						
1.2500	Btg.	Dolkten	\$ 1.50	\$ 1.88			\$ 1.88
0.1860	M ³	Kayu balok kelas III (5/7)	\$ 300.00	\$ 55.80			\$ 55.80
0.3000	Kg.	Paku 5 - 10 cm	\$ 1.92	\$ 0.58			\$ 0.58
18.0000	Kg.	Semen Portland	\$ 0.13	\$ 2.30			\$ 2.30
0.0300	M ³	Pasir beton	\$ 22.35	\$ 0.67			\$ 0.67
0.0500	M ³	batu pecah	\$ 48.02	\$ 2.40			\$ 2.40
1.5401	Lbr.	Seng BJLS 0.28mm	\$ 6.00	\$ 9.24			\$ 9.24
0.5883	Lbr.	Plywood 4 mm	\$ 14.00	\$ 8.24			\$ 8.24
1.0000	Oh	Pekerja	\$ 7.00		\$ 7.00		\$ 7.00
2.0000	Oh	Tulkang kayu	\$ 12.00		\$ 24.00		\$ 24.00
0.2000	Oh	Kepala tulang	\$ 13.00		\$ 2.60		\$ 2.60
0.0500	Oh	Mandor	\$ 14.00		\$ 0.70		\$ 0.70
Jumlah harga per satuan pekerjaan				\$ 81.09	\$ 34.30		\$ 115.39
9	1 M² Pembuatan bak aduktan (40x50x20) cm						
0.0370	M ³	Kayu papan kelas III	\$ 300.00	\$ 11.10			\$ 11.10
0.0820	Kg.	Paku 5 - 10 cm	\$ 1.92	\$ 0.16			\$ 0.16
1.0250	Btg.	Kaso-kaso (5x7)cm	\$ 393.00	\$ 402.83			\$ 402.83
0.3075	Oh	Tulkang kayu	\$ 12.00		\$ 3.69		\$ 3.69
0.0020	Oh	Mandor	\$ 14.00		\$ 0.03		\$ 0.03
Jumlah harga per satuan pekerjaan				\$ 414.08	\$ 3.72		\$ 417.80
10	1M² Pembuatan jalan sementara						
0.1500	M ²	Batu belah 15/20	\$ 22.85	\$ 3.43			\$ 3.43
0.0900	M ²	Batu pecah	\$ 48.02	\$ 4.32			\$ 4.32
0.0100	M ³	Pasir pasang	\$ 22.35	\$ 0.22			\$ 0.22
1.0000	Oh	Pekerja	\$ 7.00		\$ 7.00		\$ 7.00
0.0500	Oh	Mandor	\$ 14.00		\$ 0.70		\$ 0.70
Jumlah harga per satuan pekerjaan				\$ 7.97	\$ 7.70		\$ 15.67
PEKERJAAN BONGKARAN							
11	1 M³ Bongkaran beton bertulang						
6.6670	Oh	Pekerja	\$ 7.00		\$ 46.67		\$ 46.67
0.3330	Oh	Mandor	\$ 14.00		\$ 4.66		\$ 4.66
Jumlah harga per satuan pekerjaan				\$ -	\$ 51.33		\$ 51.33
12	1 M³ Bongkaran dinding tembok bata merah						
5.6670	Oh	Pekerja	\$ 7.00		\$ 39.67		\$ 39.67
0.0330	Oh	Mandor	\$ 14.00		\$ 0.46		\$ 0.46
Jumlah harga per satuan pekerjaan				\$ -	\$ 40.13		\$ 40.13
13	1 m² Membongkar plesteran lama termasuk pembersihannya						
0.0714	Oh	Pekerja	\$ 7.00		\$ 0.50		\$ 0.50
0.0109	Oh	Mandor	\$ 14.00		\$ 0.15		\$ 0.15
0.0500	%	5% dari upah Tenaga	\$ 0.65		\$ 0.03		\$ 0.03
Jumlah harga per satuan pekerjaan				\$ -	\$ 0.69		\$ 0.69
14	1 m² Membongkar atap sirap atau genteng						
0.0200	Oh	Pekerja	\$ 7.00		\$ 0.14		\$ 0.14
0.0040	Oh	Mandor	\$ 14.00		\$ 0.06		\$ 0.06
0.0500	%	5% dari upah Tenaga	\$ 0.20		\$ 0.01		\$ 0.01
Jumlah harga per satuan pekerjaan				\$ -	\$ 0.21		\$ 0.21
15	1 m² Membongkar lantai beton lama termasuk pembersihannya						
0.4057	Oh	Pekerja	\$ 7.00		\$ 2.84		\$ 2.84
0.0321	Oh	Mandor	\$ 14.00		\$ 0.45		\$ 0.45
0.0500	%	5% dari upah Tenaga	\$ 3.29		\$ 0.16		\$ 0.16
Jumlah harga per satuan pekerjaan				\$ -	\$ 3.45		\$ 3.45
16	1 m² Membongkar atap Zincalum						
0.0500	Oh	Pekerja	\$ 7.00		\$ 0.35		\$ 0.35
0.0050	Oh	Mandor	\$ 14.00		\$ 0.07		\$ 0.07
0.0500	%	5% dari upah Tenaga	\$ 0.42		\$ 0.02		\$ 0.02
Jumlah harga per satuan pekerjaan				\$ -	\$ 0.44		\$ 0.44
17	1 m² Membongkar rangka atap kayu						



**MINISTÉRIO DO PLANO
E ORDENAMENTO
VIII GOVERNO CONSTITUCIONAL**

Brasão do Brasil
Bem governado
National, Instituto Pubblic...
...o de governo

UNIT PRICE ANALYSIS (UPA)

Nº.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	
0.2500	Oh	Pekerja		\$ 7.00		\$ 1.75	\$ 1.75
0.0250	Oh	Mandor		\$ 14.00		\$ 0.35	\$ 0.35
0.0500	%	5% dari upah Tenaga		\$ 2.10		\$ 0.11	\$ 0.11
			Jumlah harga per satuan pekerjaan	\$ -	\$ 2.21	\$ 2.21	
18	1 m² Membangkar rangka plafon termasuk plywoodnya						
0.2000	Oh	Pekerja		\$ 7.00		\$ 1.40	\$ 1.40
0.0200	Oh	Mandor		\$ 14.00		\$ 0.28	\$ 0.28
0.0500	%	5% dari upah Tenaga		\$ 1.68		\$ 0.08	\$ 0.08
			Jumlah harga per satuan pekerjaan	\$ -	\$ 1.76	\$ 1.76	
19	1 m² Membangkar dinding batako						
0.2000	Oh	Pekerja		\$ 7.00		\$ 1.40	\$ 1.40
0.0100	Oh	Mandor		\$ 14.00		\$ 0.14	\$ 0.14
0.0500	%	5% dari upah Tenaga		\$ 1.54		\$ 0.08	\$ 0.08
			Jumlah harga per satuan pekerjaan	\$ -	\$ 1.62	\$ 1.62	
20	1 m² pengikisan/pengerokan permukaan cat lama						
0.0500	kg	Soda api		\$ 2.50	\$ 0.13		\$ 0.13
0.1500	Oh	Pekerja		\$ 7.00		\$ 1.05	\$ 1.05
0.0030	Oh	Mandor		\$ 14.00		\$ 0.04	\$ 0.04
			Jumlah harga per satuan pekerjaan	\$ -	\$ 1.09	\$ 1.22	
PEKERJAAN TANAH							
21	1 M³ Galian tanah biasa sedalam 1 meter.						
0.6700	Oh	Pekerja		\$ 7.00		\$ 4.69	\$ 4.69
0.0320	Oh	Mandor		\$ 14.00		\$ 0.45	\$ 0.45
			Jumlah harga per satuan pekerjaan	\$ -	\$ 5.14	\$ 5.14	
22	1 M³ Galian tanah biasa sedalam 2 meter.						
0.7500	Oh	Pekerja		\$ 7.00		\$ 5.25	\$ 5.25
0.0470	Oh	Mandor		\$ 14.00		\$ 0.66	\$ 0.66
			Jumlah harga per satuan pekerjaan	\$ -	\$ 5.91	\$ 5.91	
23	1 M³ Galian tanah biasa sedalam 3 meter.						
0.8900	Oh	Pekerja		\$ 7.00		\$ 6.23	\$ 6.23
0.0685	Oh	Mandor		\$ 14.00		\$ 0.96	\$ 0.96
			Jumlah harga per satuan pekerjaan	\$ -	\$ 7.19	\$ 7.19	
24	1 M³ Galian tanah keras sedalam 1 meter.						
0.9500	Oh	Pekerja		\$ 7.00		\$ 6.65	\$ 6.65
0.0530	Oh	Mandor		\$ 14.00		\$ 0.74	\$ 0.74
			Jumlah harga per satuan pekerjaan	\$ -	\$ 7.39	\$ 7.39	
25	1 M³ Galian tanah cadas sedalam 1 meter.						
1.5000	Oh	Pekerja		\$ 7.00		\$ 10.50	\$ 10.50
0.0600	Oh	Mandor		\$ 14.00		\$ 0.84	\$ 0.84
			Jumlah harga per satuan pekerjaan	\$ -	\$ 11.34	\$ 11.34	
26	1 M³ Galian tanah lumpur sedalam 1 meter.						
0.9163	Oh	Pekerja		\$ 7.00		\$ 6.41	\$ 6.41
0.0700	Oh	Mandor		\$ 14.00		\$ 0.98	\$ 0.98
			Jumlah harga per satuan pekerjaan	\$ -	\$ 7.39	\$ 7.39	
27	1 M² Pelkerjaan Stripping tebing setinggi 1 meter.						
0.4230	Oh	Pekerja		\$ 7.00		\$ 2.96	\$ 2.96
0.0260	Oh	Mandor		\$ 14.00		\$ 0.36	\$ 0.36
			Jumlah harga per satuan pekerjaan	\$ -	\$ 3.33	\$ 3.33	
28	1 M³ Membuang tanah sejauh 30 meter.						
0.3300	Oh	Pekerja		\$ 7.00		\$ 2.31	\$ 2.31
0.0126	Oh	Mandor		\$ 14.00		\$ 0.18	\$ 0.18
			Jumlah harga per satuan pekerjaan	\$ -	\$ 2.49	\$ 2.49	
29	Menimbun kembali 1 m³ galian						
0.2142	Oh	Pekerja		\$ 7.00		\$ 1.50	\$ 1.50
0.0143	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
			Jumlah harga per satuan pekerjaan	\$ -	\$ 1.70	\$ 1.70	
30	1 M³ Permadatan tanah (Per 20 Cm).						
0.5000	Oh	Pekerja		\$ 7.00		\$ 3.50	\$ 3.50
0.0500	Oh	Mandor		\$ 14.00		\$ 0.70	\$ 0.70
			Jumlah harga per satuan pekerjaan	\$ -	\$ 4.20	\$ 4.20	
31	1 M³ Timbunan pasir.						
1.2000	M ³	Pasir Urug		\$ 15.85	\$ 19.02		\$ 19.02



MINISTÉRIO DO PLANO
E ORDENAMENTO
VIII GOVERNO CONSTITUCIONAL

Agradecimentos
Governo do Estado do Rio de Janeiro
Ministério da Fazenda

UNIT PRICE ANALYSIS (UPA)

NO.	URAIAN			HARGA \$		
				SATUAN	BAHAN	UPAH
0.3023	Hr.	Pekerja		\$ 7.00		\$ 2.12
0.0127	Hr.	Mandor		\$ 14.00		\$ 0.18
			Jumlah harga per satuan pekerjaan	\$ 19.02	\$ 2.29	\$ 21.31
32	1 M ³ Pemasangan lapisan ijuk tebal 10 Cm					
2.7577	M ³	Ijuk		\$ 5.00	\$ 13.79	
0.1500	Oh	Pekerja		\$ 7.00		\$ 1.05
0.0150	Oh	Mandor		\$ 14.00		\$ 0.21
			Jumlah harga per satuan pekerjaan	\$ 13.79	\$ 1.26	\$ 15.05
33	1 M ³ Penimbunan sirtu padat untuk peninggian lantai bangunan.					
1.2000	M ³	Sirtu		\$ 15.85	\$ 19.02	
0.3046	Oh	Pekerja		\$ 7.00		\$ 2.13
0.0379	Oh	Mandor		\$ 14.00		\$ 0.53
			Jumlah harga per satuan pekerjaan	\$ 19.02	\$ 2.66	\$ 21.68
PEKERJAAN PONDASI						
34	1 M ³ Pasang pondasi batu belah 1 Pc : 3 Ps					
1.2000	M ³	Batu belah 15/20		\$ 22.85	\$ 27.42	
202.0000	Kg.	Semen Portland		\$ 0.13	\$ 25.76	
0.4850	M ³	Pasir pasang		\$ 22.35	\$ 10.84	
	Oh	Pekerja		\$ 7.00		\$ 10.50
	Oh	Tukang Batu		\$ 12.00		\$ 9.00
	Oh	Kepala Tukang		\$ 13.00		\$ 0.98
	Oh	Mandor		\$ 14.00		\$ 1.05
			Jumlah harga per satuan pekerjaan	\$ 64.01	\$ 21.53	\$ 85.53
35	1 M ³ Pasang pondasi batu belah 1 Pc : 4 Ps					
1.2000	M ³	Batu belah 15/20		\$ 22.85	\$ 27.42	
163.0000	Kg.	Semen Portland		\$ 0.13	\$ 20.78	
0.5348	M ³	Pasir pasang		\$ 22.35		\$ 11.95
	Oh	Pekerja		\$ 7.00		\$ 10.50
	Oh	Tukang Batu		\$ 12.00		\$ 9.00
	Oh	Kepala Tukang		\$ 13.00		\$ 0.98
	Oh	Mandor		\$ 14.00		\$ 1.05
			Jumlah harga per satuan pekerjaan	\$ 48.20	\$ 33.48	\$ 81.67
36	1 M ³ Pasang pondasi batu belah 1 Pc : 5 Ps					
1.2000	M ³	Batu belah 15/20		\$ 22.85	\$ 27.42	
136.0000	Kg.	Semen Portland		\$ 0.13	\$ 17.34	
0.5440	M ³	Pasir pasang		\$ 22.35		\$ 12.16
	Oh	Pekerja		\$ 7.00		\$ 10.50
	Oh	Tukang Batu		\$ 12.00		\$ 9.00
	Oh	Kepala Tukang		\$ 13.00		\$ 0.98
	Oh	Mandor		\$ 14.00		\$ 1.05
			Jumlah harga per satuan pekerjaan	\$ 44.76	\$ 33.68	\$ 78.44
37	1 M ³ Pasang pondasi batu kosong					
1.2000	M ³	Batu belah 15/20		\$ 22.85	\$ 27.42	
0.3033	M ³	Pasir urug		\$ 15.85	\$ 4.81	
0.7800	Oh	Pekerja		\$ 7.00		\$ 5.46
0.3900	Oh	Tukang Batu		\$ 12.00		\$ 4.68
0.0579	Oh	Kepala Tukang		\$ 13.00		\$ 0.75
0.0285	Oh	Mandor		\$ 14.00		\$ 0.40
			Jumlah harga per satuan pekerjaan	\$ 32.22	\$ 11.29	\$ 43.51
38	1 M ³ Cyclope Foundation (60% Concrete : 40% Stone)					
0.4800	M ³	Batu belah 15/20		\$ 22.85	\$ 10.97	
197.5000	Kg.	semen portland		\$ 0.13	\$ 25.18	
0.3160	M ³	Pasir beton		\$ 22.35	\$ 7.06	
0.4790	M ³	Batu pecah		\$ 48.02	\$ 23.00	
2.2710	Oh	Pekerja		\$ 7.00		\$ 15.90
0.8500	Oh	Tukang batu		\$ 12.00		\$ 10.20
0.0850	Oh	Kepala Tukang		\$ 13.00		\$ 1.11
0.0430	Oh	Mandor		\$ 14.00		\$ 0.60
			Jumlah harga per satuan pekerjaan	\$ 66.21	\$ 27.80	\$ 94.01
PEKERJAAN BETON & BEKISTING						
39	Pembesian 10 kg dengan besi polos / ulir					
10.5000	Kg.	Besi beton		\$ 1.31	\$ 13.80	
						\$ 13.80



**MINISTÉRIO DO PLANO
E ORDENAMENTO
VIII GOVERNO CONSTITUCIONAL**

Agência
Desenvolvimento
Nacional, Inovação Pública

UNIT PRICE ANALYSIS (UPA)

Nº.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
0.15000	Kg.	Kawat Beton		\$ 2.00	\$ 0.30		\$ 0.30
0.09490	Oh	Pekerja		\$ 7.00		\$ 0.66	\$ 0.66
0.07570	Oh	Tukang besi		\$ 12.00		\$ 0.91	\$ 0.91
0.01090	Oh	Kepala Tukang		\$ 13.00		\$ 0.14	\$ 0.14
0.00500	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
Jumlah harga per satuan pekerjaan				\$ 14.10	\$ 1.78	\$ 15.88	
Pembesian 1 kg dengan besi polos / ulir						\$ 1.59	
40	1 M² Pasang bekisting untuk pondasi						
0.0329	M ³	Kayu papan kelas III		\$ 300.00	\$ 9.87		\$ 9.87
0.1586	Kg.	Paku biasa 5' - 10'		\$ 2.00	\$ 0.32		\$ 0.32
0.0168	Ltr	Minyak bekisting		\$ 3.00	\$ 0.05		\$ 0.05
0.5200	Oh	Pekerja		\$ 7.00		\$ 3.64	\$ 3.64
0.2600	Oh	Tukang kayu		\$ 12.00		\$ 3.12	\$ 3.12
0.0260	Oh	Kepala Tukang		\$ 13.00		\$ 0.34	\$ 0.34
0.0130	Oh	Mandor		\$ 14.00		\$ 0.18	\$ 0.18
Jumlah harga per satuan pekerjaan				\$ 10.24	\$ 7.28	\$ 17.52	
41	1 M² Pasang bekisting untuk sloof						
0.3500	Lbr.	Plywood 9 mm		\$ 20.00	\$ 7.00		\$ 7.00
0.0450	M ³	Kayu papan kelas III		\$ 300.00	\$ 13.50		\$ 13.50
0.3000	Kg.	Paku biasa 5' - 10'		\$ 2.00	\$ 0.60		\$ 0.60
0.0256	Ltr	Minyak bekisting		\$ 3.00	\$ 0.08		\$ 0.08
0.5200	Oh	Pekerja		\$ 7.00		\$ 3.64	\$ 3.64
0.2600	Oh	Tukang kayu		\$ 12.00		\$ 3.12	\$ 3.12
0.0260	Oh	Kepala Tukang		\$ 13.00		\$ 0.34	\$ 0.34
0.0130	Oh	Mandor		\$ 14.00		\$ 0.18	\$ 0.18
Jumlah harga per satuan pekerjaan				\$ 21.18	\$ 7.28	\$ 28.46	
42	1 M² Pasang bekisting untuk kolom						
0.0336	M ³	Kayu papan kelas III		\$ 300.00	\$ 10.07		\$ 10.07
0.3600	Kg.	Paku biasa 5' - 12'		\$ 2.00	\$ 0.72		\$ 0.72
0.0500	Ltr	Minyak bekisting		\$ 3.00	\$ 0.15		\$ 0.15
0.0150	M ³	Balok kayu klas II		\$ 380.00	\$ 5.70		\$ 5.70
0.3000	Lbr.	Plywood 9 mm		\$ 20.00	\$ 6.00		\$ 6.00
2.0000	Btg.	Dolken		\$ 1.50	\$ 3.00		\$ 3.00
0.6600	Oh	Pekerja		\$ 7.00		\$ 4.62	\$ 4.62
0.3300	Oh	Tukang kayu		\$ 12.00		\$ 3.96	\$ 3.96
0.0330	Oh	Kepala Tukang		\$ 13.00		\$ 0.43	\$ 0.43
0.0160	Oh	Mandor		\$ 14.00		\$ 0.22	\$ 0.22
Jumlah harga per satuan pekerjaan				\$ 25.64	\$ 9.23	\$ 34.87	
43	1 M² Pasang bekisting untuk balok						
0.0300	M ³	Kayu papan kelas III		\$ 300.00	\$ 9.00		\$ 9.00
0.3800	Kg.	Paku biasa 5' - 12'		\$ 2.00	\$ 0.76		\$ 0.76
0.0536	Ltr	Minyak bekisting		\$ 3.00	\$ 0.16		\$ 0.16
0.0360	M ³	Balok kayu klas II		\$ 380.00	\$ 13.68		\$ 13.68
0.3500	Lbr.	Plywood 9 mm		\$ 20.00	\$ 7.00		\$ 7.00
2.0000	Btg.	Dolken		\$ 1.50	\$ 3.00		\$ 3.00
0.6600	Oh	Pekerja		\$ 7.00		\$ 4.62	\$ 4.62
0.3300	Oh	Tukang kayu		\$ 12.00		\$ 3.96	\$ 3.96
0.0330	Oh	Kepala Tukang		\$ 13.00		\$ 0.43	\$ 0.43
0.0161	Oh	Mandor		\$ 14.00		\$ 0.23	\$ 0.23
Jumlah harga per satuan pekerjaan				\$ 33.60	\$ 9.23	\$ 42.84	
44	1 M² Pasang bekisting untuk lantai						
0.0400	M ³	Kayu papan kelas III		\$ 300.00	\$ 12.00		\$ 12.00
0.4000	Kg.	Paku biasa 5' - 12'		\$ 2.00	\$ 0.80		\$ 0.80
0.0536	Ltr	Minyak bekisting		\$ 3.00	\$ 0.16		\$ 0.16
0.0360	M ³	Balok kayu klas II		\$ 380.00	\$ 13.68		\$ 13.68
0.3500	Lbr.	Plywood 9 mm		\$ 20.00	\$ 7.00		\$ 7.00
2.0000	Btg.	Dolken		\$ 1.50	\$ 3.00		\$ 3.00
0.6600	Oh	Pekerja		\$ 7.00		\$ 4.62	\$ 4.62
0.3300	Oh	Tukang kayu		\$ 12.00		\$ 3.96	\$ 3.96
0.0330	Oh	Kepala Tukang		\$ 13.00		\$ 0.43	\$ 0.43



**MINISTÉRIO DO PLANO
E ORDENAMENTO
VIII GOVERNO CONSTITUCIONAL**

Agencia
De Ordenamento
Nacional, Indústria e Produção

UNIT PRICE ANALYSIS (UPA)

Nº.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
0.0161	Oh	Mandor		\$ 14.00		\$ 0.23	\$ 0.23
			Jumlah harga per satuan pekerjaan	\$ 36.64	\$ 9.23	\$ 45.88	
45	1 M² Pasang bekisting untuk tangga						
0.0300	M ³	Kayu papan kelas III		\$ 300.00	\$ 9.00		\$ 9.00
0.4000	Kg.	Paku biasa 5' - 12'		\$ 2.00	\$ 0.80		\$ 0.80
0.1500	Ltr	Minyak belisting		\$ 3.00	\$ 0.45		\$ 0.45
0.0183	M ³	Balok kayu klas II		\$ 380.00	\$ 6.95		\$ 6.95
0.3455	Lbr.	Plywood 9 mm		\$ 20.00	\$ 6.91		\$ 6.91
2.0000	Btg.	Dolken		\$ 1.50	\$ 3.00		\$ 3.00
0.6600	Oh	Pekerja		\$ 7.00		\$ 4.62	\$ 4.62
0.3300	Oh	Tukang kayu		\$ 12.00		\$ 3.96	\$ 3.96
0.0330	Oh	Kepala Tukang		\$ 13.00		\$ 0.43	\$ 0.43
0.0161	Oh	Mandor		\$ 14.00		\$ 0.23	\$ 0.23
			Jumlah harga per satuan pekerjaan	\$ 27.11	\$ 9.23	\$ 36.35	
46	1 M² Pasang jembanan untuk pengecoran beton						
0.0260	M ³	Kayu papan kelas III		\$ 300.00	\$ 7.80		\$ 7.80
0.6000	Kg.	Paku biasa 5' - 12'		\$ 2.00	\$ 1.20		\$ 1.20
0.5000	Btg.	Dolken		\$ 1.50	\$ 0.75		\$ 0.75
0.1500	Oh	Pekerja		\$ 7.00		\$ 1.05	\$ 1.05
0.0500	Oh	Tukang kayu		\$ 12.00		\$ 0.60	\$ 0.60
0.0051	Oh	Kepala Tukang		\$ 13.00		\$ 0.07	\$ 0.07
0.0026	Oh	Mandor		\$ 14.00		\$ 0.04	\$ 0.04
			Jumlah harga per satuan pekerjaan	\$ 9.75	\$ 1.75	\$ 11.50	
47	1 M³ membuat pondasi beton bertulang K 175 , F'c =14.5 Mpa						
0.2000	M ³	Kayu papan kelas III		\$ 300.00	\$ 60.00		\$ 60.00
1.5000	Kg.	Paku biasa 5' - 12'		\$ 2.00	\$ 3.00		\$ 3.00
0.0667	Ltr	Minyak belisting		\$ 3.00	\$ 0.20		\$ 0.20
150.0000	Kg.	Besi beton		\$ 1.31	\$ 197.10		\$ 197.10
2.2500	Kg.	Kawat beton		\$ 2.00	\$ 4.49		\$ 4.49
323.0000	Kg.	Semen portland		\$ 0.13	\$ 41.18		\$ 41.18
0.5440	M ³	Pasir beton		\$ 22.35	\$ 12.16		\$ 12.16
0.8159	M ³	batu pecah		\$ 48.02	\$ 39.18		\$ 39.18
4.2108	Oh	Pekerja		\$ 7.00		\$ 29.48	\$ 29.48
0.3093	Oh	Tukang batu		\$ 12.00		\$ 3.71	\$ 3.71
1.0842	Oh	Tukang kayu		\$ 12.00		\$ 13.01	\$ 13.01
1.0500	Oh	Tukang besi		\$ 12.00		\$ 12.60	\$ 12.60
0.2450	Oh	Kepala tukang		\$ 13.00		\$ 3.19	\$ 3.19
0.1922	Oh	Mandor		\$ 14.00		\$ 2.69	\$ 2.69
			Jumlah harga per satuan pekerjaan	\$ 357.31	\$ 64.67	\$ 421.98	
48	1 M³ membuat sloof beton bertulang K 175 , F'c =14.5 Mpa (200 Kg besi + bekisting)						
0.2700	M3	Kayu papan kelas III		\$ 300.00	\$ 81.00		\$ 81.00
2.0000	Kg	Paku biasa 5' - 12'		\$ 2.00	\$ 4.00		\$ 4.00
0.1000	Ltr	Minyak belisting		\$ 3.00	\$ 0.30		\$ 0.30
200.0000	Kg	Besi beton		\$ 1.31	\$ 262.80		\$ 262.80
3.0000	Kg	Kawat beton		\$ 2.00	\$ 5.99		\$ 5.99
323.0000	Kg	Semen Portland		\$ 0.13	\$ 41.18		\$ 41.18
0.5440	M3	Pasir beton		\$ 22.35	\$ 12.16		\$ 12.16
0.8159	M3	batu pecah		\$ 48.02	\$ 39.18		\$ 39.18
4.9152	Oh	Pekerja		\$ 7.00		\$ 34.41	\$ 34.41
0.3093	Oh	Tukang batu		\$ 12.00		\$ 3.71	\$ 3.71
1.5600	Oh	Tukang kayu		\$ 12.00		\$ 18.72	\$ 18.72
1.4000	Oh	Tukang besi		\$ 12.00		\$ 16.80	\$ 16.80
0.3270	Oh	Kepala tukang		\$ 13.00		\$ 4.25	\$ 4.25
0.2013	Oh	Mandor		\$ 14.00		\$ 2.82	\$ 2.82
			Jumlah harga per satuan pekerjaan	\$ 446.60	\$ 80.71	\$ 527.31	
49	1 M³ membuat kolom beton bertulang K 175 , F'c =14.5 Mpa (300 Kg besi + bekisting)						
0.4000	M3	Kayu papan kelas III		\$ 300.00	\$ 120.00		\$ 120.00
4.0000	Kg	Paku biasa 5' - 12'		\$ 2.00	\$ 8.00		\$ 8.00
2.0000	Ltr	Minyak belisting		\$ 3.00	\$ 6.00		\$ 6.00



**MINISTÉRIO DO PLANO
E ORDENAMENTO
VIII GOVERNO CONSTITUCIONAL**

Arquitetura
Desenvolvimento
Nacional Instituto (ADN)

UNIT PRICE ANALYSIS (UPA)

NO.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
300.0000	Kg	Besi beton		\$ 1.31	\$ 394.21		\$ 394.21
4.5000	Kg	Kawat beton		\$ 2.00	\$ 8.98		\$ 8.98
323.0000	Kg	Semen Portland		\$ 0.13	\$ 41.18		\$ 41.18
0.5440	M3	Pasir beton		\$ 22.35	\$ 12.16		\$ 12.16
0.8159	M3	batu pecah		\$ 48.02	\$ 39.18		\$ 39.18
0.1500	M3	Balok kayu klas II		\$ 380.00	\$ 57.00		\$ 57.00
3.5000	Lbr	Plywood 9 mm		\$ 20.00	\$ 70.00		\$ 70.00
16.0000	Btg	Dolken		\$ 1.50	\$ 24.00		\$ 24.00
7.1750	Oh	Pekerja		\$ 7.00		\$ 50.23	\$ 50.23
0.3093	Oh	Tukang batu		\$ 12.00		\$ 3.71	\$ 3.71
2.7920	Oh	Tukang kayu		\$ 12.00		\$ 33.50	\$ 33.50
2.1000	Oh	Tukang besi		\$ 12.00		\$ 25.20	\$ 25.20
0.4883	Oh	Kepala tukang		\$ 13.00		\$ 6.35	\$ 6.35
0.2747	Oh	Mandor		\$ 14.00		\$ 3.85	\$ 3.85
Jumlah harga per satuan pekerjaan				\$ 780.70	\$ 122.83	\$ 903.53	
50	1 M³ membuat balok beton bertulang K 175, F'c = 14.5 Mpa (200 Kg besi + bekisting)						
0.3200	M3	Kayu papan kelas III		\$ 300.00	\$ 96.00		\$ 96.00
3.2000	Kg	Paku biasa 5' - 12'		\$ 2.00	\$ 6.40		\$ 6.40
2.0000	Ltr	Minyak bekisting		\$ 3.00	\$ 6.00		\$ 6.00
200.0000	Kg	Besi beton		\$ 1.31	\$ 262.80		\$ 262.80
3.0000	Kg	Kawat beton		\$ 2.00	\$ 5.99		\$ 5.99
323.0000	Kg	Semen Portland		\$ 0.13	\$ 41.18		\$ 41.18
0.5440	M3	Pasir beton		\$ 22.35	\$ 12.16		\$ 12.16
0.8159	M3	batu pecah		\$ 48.02	\$ 39.18		\$ 39.18
0.1500	M3	Balok kayu klas II		\$ 380.00	\$ 57.00		\$ 57.00
3.5000	Lbr	Plywood 9 mm		\$ 20.00	\$ 70.00		\$ 70.00
16.0000	Btg	Dolken		\$ 1.50	\$ 24.00		\$ 24.00
7.1750	Oh	Pekerja		\$ 7.00		\$ 50.23	\$ 50.23
0.3093	Oh	Tukang batu		\$ 12.00		\$ 3.71	\$ 3.71
1.6500	Oh	Tukang kayu		\$ 12.00		\$ 19.80	\$ 19.80
1.4000	Oh	Tukang besi		\$ 12.00		\$ 16.80	\$ 16.80
0.4883	Oh	Kepala tukang		\$ 13.00		\$ 6.35	\$ 6.35
0.2747	Oh	Mandor		\$ 14.00		\$ 3.85	\$ 3.85
Jumlah harga per satuan pekerjaan				\$ 620.70	\$ 100.73	\$ 721.43	
51	1 M³ membuat plat beton bertulang K175, F'c 14.5 Mpa (150 Kg besi + bekisting).						
0.1350	M3	Kayu papan kelas III		\$ 300.00	\$ 40.50		\$ 40.50
1.3497	Kg	Paku biasa 5' - 12'		\$ 2.00	\$ 2.70		\$ 2.70
0.6750	Ltr	Minyak bekisting		\$ 3.00	\$ 2.03		\$ 2.03
150.0000	Kg	Besi beton		\$ 1.31	\$ 197.10		\$ 197.10
2.2500	Kg	Kawat beton		\$ 2.00	\$ 4.49		\$ 4.49
323.0000	Kg	Semen Portland		\$ 0.13	\$ 41.18		\$ 41.18
0.5440	M3	Pasir beton		\$ 22.35	\$ 12.16		\$ 12.16
0.8159	M3	batu pecah		\$ 48.02	\$ 39.18		\$ 39.18
0.0505	M3	Balok kayu klas II		\$ 380.00	\$ 19.19		\$ 19.19
2.1810	Lbr	Plywood 9 mm		\$ 20.00	\$ 43.62		\$ 43.62
16.0000	Btg	Dolken		\$ 1.50	\$ 24.00		\$ 24.00
6.7690	Oh	Pekerja		\$ 7.00		\$ 47.38	\$ 47.38
0.3093	Oh	Tukang batu		\$ 12.00		\$ 3.71	\$ 3.71
1.3000	Oh	Tukang kayu		\$ 12.00		\$ 15.60	\$ 15.60
1.0500	Oh	Tukang besi		\$ 12.00		\$ 12.60	\$ 12.60
0.2650	Oh	Kepala tukang		\$ 13.00		\$ 3.45	\$ 3.45
0.1650	Oh	Mandor		\$ 14.00		\$ 2.31	\$ 2.31
Jumlah harga per satuan pekerjaan				\$ 426.14	\$ 85.05	\$ 511.19	
52	1 M³ membuat kolom praktis beton bertulang (11 x 11) cm						
0.0025	M ³	Kayu papan kelas III		\$ 300.00	\$ 0.75		\$ 0.75
0.0452	Kg	Paku biasa 5' - 12'		\$ 2.00	\$ 0.09		\$ 0.09
3.0000	Kg	Besi beton		\$ 1.31	\$ 3.94		\$ 3.94
0.4500	Kg	Kawat beton		\$ 2.00	\$ 0.90		\$ 0.90
4.1750	Kg	Semen Portland		\$ 0.13	\$ 0.53		\$ 0.53
0.0063	M ³	Pasir beton		\$ 22.35	\$ 0.14		\$ 0.14
0.0093	M ³	batu pecah		\$ 48.02	\$ 0.45		\$ 0.45
0.1588	Oh	Pekerja		\$ 7.00		\$ 1.11	\$ 1.11
0.0473	Oh	Tukang batu		\$ 12.00		\$ 0.57	\$ 0.57



**MINISTÉRIO DO PLANO
E ORDENAMENTO
VIII GOVERNO CONSTITUCIONAL**

Agenzia di:
Dipartimento delle
Nazionali Posturali Italiane

UNIT PRICE ANALYSIS (UPA)

NO.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
	0.0113	Oh	Tukang kayu	\$ 12.00		\$ 0.14	\$ 0.14
	0.0118	Oh	Tukang besi	\$ 12.00		\$ 0.14	\$ 0.14
	0.0108	Oh	Kepala tukang	\$ 13.00		\$ 0.14	\$ 0.14
	0.0050	Oh	Mandor	\$ 14.00		\$ 0.07	\$ 0.07
				Jumlah harga per satuan pekerjaan	\$ 6.80	\$ 2.17	\$ 8.97
53	1 M³ membuat beton mutu f'c = 7.4 Mpa (K 100)						
	254.0000	Kg	Semen Portland	\$ 0.13	\$ 32.39		\$ 32.39
	0.7800	M ³	batu pecah	\$ 48.02	\$ 37.45		\$ 37.45
	0.4890	M ³	Pasir beton	\$ 22.35	\$ 10.93		\$ 10.93
	1.6842	Oh	Pekerja	\$ 7.00		\$ 11.79	\$ 11.79
	0.2807	Oh	Tukang batu	\$ 12.00		\$ 3.37	\$ 3.37
	0.0281	Oh	Kepala tukang	\$ 13.00		\$ 0.37	\$ 0.37
	0.0140	Oh	Mandor	\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ 80.77	\$ 15.72	\$ 96.48
54	1 M³ membuat beton mutu f'c = 9.8 Mpa (K 125)						
	284.5500	Kg	Semen Portland	\$ 0.13	\$ 36.28		\$ 36.28
	0.8273	M ³	batu pecah	\$ 48.02	\$ 39.72		\$ 39.72
	0.6175	M ³	Pasir beton	\$ 22.35	\$ 13.80		\$ 13.80
	1.6842	Oh	Pekerja	\$ 7.00		\$ 11.79	\$ 11.79
	0.2807	Oh	Tukang batu	\$ 12.00		\$ 3.37	\$ 3.37
	0.0281	Oh	Kepala tukang	\$ 13.00		\$ 0.37	\$ 0.37
	0.0140	Oh	Mandor	\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ 89.80	\$ 15.72	\$ 105.52
55	1 M³ membuat beton mutu f'c = 12.2 Mpa (K 150)						
	308.0000	Kg	Semen Portland	\$ 0.13	\$ 39.27		\$ 39.27
	0.8180	m3	batu pecah	\$ 48.02	\$ 39.28		\$ 39.28
	0.5845	m3	Pasir beton	\$ 22.35	\$ 13.06		\$ 13.06
	1.6842	Oh	Pekerja	\$ 7.00		\$ 11.79	\$ 11.79
	0.2807	Oh	Tukang batu	\$ 12.00		\$ 3.37	\$ 3.37
	0.0281	Oh	Kepala Tukang	\$ 13.00		\$ 0.37	\$ 0.37
	0.0140	Oh	Mandor	\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ 91.61	\$ 15.72	\$ 107.33
56	1 M³ membuat beton mutu f'c = 14.5 Mpa (K 175)						
	323.0000	Kg	Semen Portland	\$ 0.13	\$ 41.18		\$ 41.18
	0.8159	m3	batu pecah	\$ 48.02	\$ 39.18		\$ 39.18
	0.5440	m3	Pasir beton	\$ 22.35	\$ 12.16		\$ 12.16
	1.6842	Oh	Pekerja	\$ 7.00		\$ 11.79	\$ 11.79
	0.2807	Oh	Tukang batu	\$ 12.00		\$ 3.37	\$ 3.37
	0.0281	Oh	Kepala Tukang	\$ 13.00		\$ 0.37	\$ 0.37
	0.0140	Oh	Mandor	\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ 92.52	\$ 15.72	\$ 108.23
57	1 M³ membuat beton mutu f'c = 16.9 Mpa (K 200)						
	349.0000	Kg	Semen Portland	\$ 0.13	\$ 44.50		\$ 44.50
	0.8100	m3	batu pecah	\$ 48.02	\$ 38.89		\$ 38.89
	0.5400	m3	Pasir beton	\$ 22.35	\$ 12.07		\$ 12.07
	1.6842	Oh	Pekerja	\$ 7.00		\$ 11.79	\$ 11.79
	0.2807	Oh	Tukang batu	\$ 12.00		\$ 3.37	\$ 3.37
	0.0281	Oh	Kepala Tukang	\$ 13.00		\$ 0.37	\$ 0.37
	0.0140	Oh	Mandor	\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ 95.46	\$ 15.72	\$ 111.18
58	1 M³ membuat beton mutu f'c = 19.3 Mpa (K 225)						
	377.0200	Kg	Semen Portland	\$ 0.13	\$ 48.07		\$ 48.07
	0.8200	m3	batu pecah	\$ 48.02	\$ 39.37		\$ 39.37
	0.5000	m3	Pasir beton	\$ 22.35	\$ 11.17		\$ 11.17
	1.6842	Oh	Pekerja	\$ 7.00		\$ 11.79	\$ 11.79
	0.2807	Oh	Tukang batu	\$ 12.00		\$ 3.37	\$ 3.37
	0.0281	Oh	Kepala Tukang	\$ 13.00		\$ 0.37	\$ 0.37
	0.0140	Oh	Mandor	\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ 98.62	\$ 15.72	\$ 114.34
59	1 M³ membuat beton mutu f'c = 21.7 Mpa (K 250)						
	384.0000	Kg	Semen Portland	\$ 0.13	\$ 48.96		\$ 48.96
	0.8200	m3	batu pecah	\$ 48.02	\$ 39.37		\$ 39.37



MINISTÉRIO DO PLANO
E ORDENAMENTO
VIII GOVERNO CONSTITUCIONAL

Aprovado pelo
Decreto-lei n.º 610
Nacional, Recife, Pernambuco

UNIT PRICE ANALYSIS (UPA)

NO.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
0.4900	m3	Pasir beton		\$ 22.35	\$ 10.95		\$ 10.95
1.6842	Oh	Pekerja		\$ 7.00		\$ 11.79	\$ 11.79
0.2807	Oh	Tukang batu		\$ 12.00		\$ 3.37	\$ 3.37
0.0281	Oh	Kepala Tukang		\$ 13.00		\$ 0.37	\$ 0.37
0.0140	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
Jumlah harga per satuan pekerjaan				\$ 99.28	\$ 15.72		\$ 115.00
60	1 M³ membuat beton mutu f'c = 24 Mpa (K 275)						
412.0000	Kg.	Semen Portland		\$ 0.13	\$ 52.53		\$ 52.53
0.7800	m3	batu pecah		\$ 48.02	\$ 37.45		\$ 37.45
0.5560	m3	Pasir beton		\$ 22.35	\$ 12.42		\$ 12.42
1.6842	Oh	Pekerja		\$ 7.00		\$ 11.79	\$ 11.79
0.2807	Oh	Tukang batu		\$ 12.00		\$ 3.37	\$ 3.37
0.0281	Oh	Kepala Tukang		\$ 13.00		\$ 0.37	\$ 0.37
0.0140	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
Jumlah harga per satuan pekerjaan				\$ 102.41	\$ 15.72		\$ 118.13
61	1 M³ membuat beton mutu f'c = 26.4 Mpa (K 300)						
425.0000	Kg.	Semen Portland		\$ 0.13	\$ 54.19		\$ 54.19
0.8900	m3	batu pecah		\$ 48.02	\$ 42.73		\$ 42.73
0.4900	m3	Pasir beton		\$ 22.35	\$ 10.95		\$ 10.95
1.6842	Oh	Pekerja		\$ 7.00		\$ 11.79	\$ 11.79
0.2807	Oh	Tukang batu		\$ 12.00		\$ 3.37	\$ 3.37
0.0281	Oh	Kepala Tukang		\$ 13.00		\$ 0.37	\$ 0.37
0.0140	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
Jumlah harga per satuan pekerjaan				\$ 107.87	\$ 15.72		\$ 123.59
62	1 M³ membuat beton mutu f'c = 31.2 Mpa (K 350)						
12.5	500.00	Kg.	Semen Portland	\$ 0.13	\$ 63.75		\$ 63.75
	0.8200	m3	batu pecah	\$ 48.02	\$ 39.37		\$ 39.37
	0.5600	m3	Pasir beton	\$ 22.35	\$ 12.51		\$ 12.51
	2.1000	Oh	Pekerja	\$ 7.00		\$ 14.70	\$ 14.70
	0.3500	Oh	Tukang batu	\$ 12.00		\$ 4.20	\$ 4.20
	0.0717	Oh	Kepala Tukang	\$ 13.00		\$ 0.93	\$ 0.93
	0.0360	Oh	Mandor	\$ 14.00		\$ 0.50	\$ 0.50
Jumlah harga per satuan pekerjaan				\$ 115.64	\$ 20.34		\$ 135.97
63	1 M³ membuat sloof beton bertulang K 350 ,f'c =31.2 Mpa (150 Kg besi + bekisting)						
	0.2770	M3					
	2.0500	Kg					
	0.6150	Ltr					
	150.0000	Kg					
	2.2500	Kg					
	464.3500	Kg					
	0.4867	M3					
	0.7800	M3					
	2.9160	Lbr					
	5.5000	Oh	Pekerja	\$ 7.00		\$ 38.50	\$ 38.50
	0.3500	Oh	Tukang batu	\$ 12.00		\$ 4.20	\$ 4.20
	1.5500	Oh	Tukang kayu	\$ 12.00		\$ 18.60	\$ 18.60
	1.1500	Oh	Tukang besi	\$ 12.00		\$ 13.80	\$ 13.80
	0.3500	Oh	Kepala tukang	\$ 13.00		\$ 4.55	\$ 4.55
	0.1250	Oh	Mandor	\$ 14.00		\$ 1.75	\$ 1.75
Jumlah harga per satuan pekerjaan				\$ -	\$ 81.40		\$ 81.40
64	1 M² membuat balok beton bertulang mutu K 350 , f'c = 31.2 Mpa (175Kg besi + bekisting)						
	0.3280	M3	Kayu papan kelas III	\$ 300.00	\$ 98.40		\$ 98.40
	3.2800	Kg	Paku biasa 5' - 12'	\$ 2.00	\$ 6.56		\$ 6.56
	1.6400	Ltr	Minyak bekisting	\$ 3.00	\$ 4.92		\$ 4.92
	175.0000	Kg	Besi beton	\$ 1.31	\$ 229.95		\$ 229.95
	2.6250	Kg	Kawat beton	\$ 2.00	\$ 5.24		\$ 5.24
	464.3500	Kg	Semen Portland	\$ 0.13	\$ 59.20		\$ 59.20
	0.4867	M3	Pasir beton	\$ 22.35	\$ 10.88		\$ 10.88
	0.7800	M3	batu pecah	\$ 48.02	\$ 37.45		\$ 37.45
	0.1500	M3	Balok kayu lidas II	\$ 380.00	\$ 57.00		\$ 57.00
	4.0000	Lbr	Plywood 9 mm	\$ 20.00	\$ 80.00		\$ 80.00
	16.0000	Btg	Dolken	\$ 1.50	\$ 24.00		\$ 24.00
	5.4325	Oh	Pekerja	\$ 7.00		\$ 38.03	\$ 38.03



**MINISTÉRIO DO PLANO
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VIII GOVERNO CONSTITUCIONAL**

Agenzia
Demarco Bramante,
Natalino, Instituto Pubbli...

UNIT PRICE ANALYSIS (UPA)

NO.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
0.3415	Oh	Tukang batu		\$ 12.00		\$ 4.10	\$ 4.10
1.6500	Oh	Tukang kayu		\$ 12.00		\$ 19.80	\$ 19.80
1.4000	Oh	Tukang besi		\$ 12.00		\$ 16.80	\$ 16.80
0.3330	Oh	Kepala tukang		\$ 13.00		\$ 4.33	\$ 4.33
0.1650	Oh	Mandor		\$ 14.00		\$ 2.31	\$ 2.31
Jumlah harga per satuan pekerjaan				\$ 613.60	\$ 85.36	\$ 698.97	
65	1 M ³ membuat balok beton bertulang mutu K 275, f'c 24 Mpa			Jumlah harga per satuan pekerjaan			
0.3280	M ³	Kayu papan kelas III		\$ 300.00	\$ 98.40		\$ 98.40
3.2800	Kg.	Paku biasa 5' - 12'		\$ 2.00	\$ 6.56		\$ 6.56
1.6400	Ltr	Minyak bekisting		\$ 3.00	\$ 4.92		\$ 4.92
175.0000	Kg.	Besi beton		\$ 1.31	\$ 229.95		\$ 229.95
2.6250	Kg.	Kawat beton		\$ 2.00	\$ 5.24		\$ 5.24
412.0000	Kg.	Semen portland		\$ 0.13	\$ 52.53		\$ 52.53
0.5560	M ³	Pasir beton		\$ 22.35	\$ 12.42		\$ 12.42
0.7800	M ³	batu pecah		\$ 48.02	\$ 37.45		\$ 37.45
0.1400	M ³	Balok kayu klas II		\$ 380.00	\$ 53.20		\$ 53.20
4.0000	Lbr.	Plywood 9 mm		\$ 20.00	\$ 80.00		\$ 80.00
16.0000	Btg.	Dolkem		\$ 1.50	\$ 24.00		\$ 24.00
5.4325	Oh	Pekerja		\$ 7.00		\$ 38.03	\$ 38.03
0.3415	Oh	Tukang batu		\$ 12.00		\$ 4.10	\$ 4.10
1.6500	Oh	Tukang kayu		\$ 12.00		\$ 19.80	\$ 19.80
1.4000	Oh	Tukang besi		\$ 12.00		\$ 16.80	\$ 16.80
0.3330	Oh	Kepala tukang		\$ 13.00		\$ 4.33	\$ 4.33
0.1650	Oh	Mandor		\$ 14.00		\$ 2.31	\$ 2.31
Jumlah harga per satuan pekerjaan				\$ 604.68	\$ 85.36	\$ 690.04	
PEKERJAAN PENUTUP ATAP							
66	1 kg profil WF rangka atap						
	Materias						
1.2000	kg	Profil WF		\$ 1.44	\$ 1.73		\$ 1.73
0.0008	kg	Kawat las		\$ 4.05	\$ 0.00		\$ 0.00
0.0280	kg	Mur baut		\$ 3.00	\$ 0.08		\$ 0.08
0.0035	Oh	Pekerja		\$ 7.00		\$ 0.02	\$ 0.02
0.0070	Oh	tukang		\$ 12.00		\$ 0.08	\$ 0.08
0.0035	Oh	Mandor		\$ 14.00		\$ 0.05	\$ 0.05
0.0750	Ls	Alat = 7.5% dari total material		\$ 1.82		\$ 0.14	\$ 0.14
0.0035	Oh	Pekerja		\$ 7.00		\$ 0.02	\$ 0.02
0.0120	Oh	Tukang		\$ 12.00		\$ 0.14	\$ 0.14
0.0009	Oh	Mandor		\$ 14.00		\$ 0.01	\$ 0.01
0.0120	jam	Crane		\$ 100.00		\$ 1.20	\$ 1.20
Jumlah harga per satuan pekerjaan				\$ 1.82	\$ 1.67	\$ 3.49	
67	1 kg gording kanal C						
	Materias						
1.0250	kg	Profil kanal C		\$ 1.71	\$ 1.75		\$ 1.75
0.0001	kg	Kawat las		\$ 4.05	\$ 0.00		\$ 0.00
0.0028	kg	Mur baut		\$ 3.00	\$ 0.01		\$ 0.01
0.0028	Oh	Pekerja		\$ 7.00		\$ 0.02	\$ 0.02
0.0056	Oh	tukang		\$ 12.00		\$ 0.07	\$ 0.07
0.0028	Oh	Mandor		\$ 14.00		\$ 0.04	\$ 0.04
0.0750	Ls	Alat = 7.5% dari total material		\$ 1.76		\$ 0.13	\$ 0.13
0.0028	Oh	Pekerja		\$ 7.00		\$ 0.02	\$ 0.02
0.0056	Oh	Tukang		\$ 12.00		\$ 0.07	\$ 0.07
0.0028	Oh	Mandor		\$ 14.00		\$ 0.04	\$ 0.04
Jumlah harga per satuan pekerjaan				\$ 1.76	\$ 0.38	\$ 2.15	
72	1 kg profil kanal C untuk rangka kuda-kuda, dengan sambungan las						
	Materias						
1.1000	kg	Profil kanal C		\$ 1.71	\$ 1.88		\$ 1.88
0.0008	kg	Kawat las		\$ 4.05	\$ 0.00		\$ 0.00
0.0035	Oh	Pekerja		\$ 7.00		\$ 0.02	\$ 0.02
0.0070	Oh	Tukang		\$ 12.00		\$ 0.08	\$ 0.08
0.0035	oh	Mandor		\$ 14.00		\$ 0.05	\$ 0.05
0.0750	Ls	Alat = 7.5% dari total material		\$ 1.89		\$ 0.14	\$ 0.14
0.0035	Oh	Pekerja		\$ 7.00		\$ 0.02	\$ 0.02
0.0120	Oh	Tukang		\$ 12.00		\$ 0.14	\$ 0.14
0.0009	Oh	mandor		\$ 14.00		\$ 0.01	\$ 0.01
0.0120	jam	Crane		\$ 100.00		\$ 1.20	\$ 1.20
Jumlah harga per satuan pekerjaan				\$ 1.89	\$ 1.68	\$ 3.57	



**MINISTÉRIO DO PLANO
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Agencia de
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NO.	URAIAN			HARGA \$			
	SATUAN	BAHAN	UPAH	JUMLAH			
Mat erial	Fabrikasi	Pemasan Ean					
73	1 kg profile kanal C untuk rangka ikeda-ikeda, dengan sambungan bout						
	1.1000	kg	Profil kanal C	\$ 1.71	\$ 1.88		\$ 1.88
	0.0029	kg	Mur baut	\$ 3.00	\$ 0.01		\$ 0.01
	0.0035	Oh	Pekerja	\$ 7.00		\$ 0.02	\$ 0.02
	0.0070	Oh	Tukang	\$ 12.00		\$ 0.08	\$ 0.08
	0.0035	oh	mandor	\$ 14.00		\$ 0.05	\$ 0.05
	0.0750	Ls	Alat = 7.5% dari total material	\$ 1.89		\$ 0.14	\$ 0.14
	0.0035	oh	Pekerja	\$ 7.00		\$ 0.02	\$ 0.02
	0.0120	Oh	Tukang	\$ 12.00		\$ 0.14	\$ 0.14
	0.0009	Oh	Mandor	\$ 14.00		\$ 0.01	\$ 0.01
	0.0120	jam	Crane	\$ 100.00		\$ 1.20	\$ 1.20
	Jumlah harga per satuan pekerjaan			\$ 1.89	\$ 1.68		\$ 3.57
68	1 kg RHS/SMS steel profile						
	1.0500	kg	Profil RHS/SHS	\$ 1.29	\$ 1.35		\$ 1.35
	0.0350	kg	Kawat las	\$ 4.05	\$ 0.14		\$ 0.14
	0.0750	Ls	Alat = 7.5% dari total material	\$ 1.50	\$ 0.11		\$ 0.11
	0.0250	Oh	Pekerja	\$ 7.00		\$ 0.18	\$ 0.18
	0.0250	Oh	Tukang	\$ 12.00		\$ 0.30	\$ 0.30
	0.0028	Oh	Mandor	\$ 14.00		\$ 0.04	\$ 0.04
	Jumlah harga per satuan pekerjaan			\$ 1.61	\$ 0.51		\$ 2.12
69	1 kg besi siku						
	1.0500	kg	Profil besi siku	\$ 1.28	\$ 1.35		\$ 1.35
	0.0350	kg	Kawat las	\$ 4.05	\$ 0.14		\$ 0.14
	0.0750	Ls	Alat = 7.5% dari total material	\$ 1.49	\$ 0.11		\$ 0.11
	0.0250	Oh	Pekerja	\$ 7.00		\$ 0.18	\$ 0.18
	0.0250	Oh	Tukang	\$ 12.00		\$ 0.30	\$ 0.30
	0.0028	Oh	Mandor	\$ 14.00		\$ 0.04	\$ 0.04
	Jumlah harga per satuan pekerjaan			\$ 1.60	\$ 0.51		\$ 2.12
70	1kg baja ringan						
	1.0250	kg	Profil baja ringan	\$ 2.74	\$ 2.81		\$ 2.81
	6.0000	bh	Paku Rivet	\$ 0.10	\$ 0.60		\$ 0.60
	0.0450	Oh	Pekerja	\$ 7.00		\$ 0.32	\$ 0.32
	0.0045	Oh	Tukang	\$ 12.00		\$ 0.05	\$ 0.05
	0.0045	oh	Mandor	\$ 14.00		\$ 0.06	\$ 0.06
	0.0750	Ls	Alat = 7.5% dari total material	\$ 3.41		\$ 0.26	\$ 0.26
	0.0180	Oh	Pekerja	\$ 7.00		\$ 0.13	\$ 0.13
	0.0090	Oh	Tukang	\$ 12.00		\$ 0.11	\$ 0.11
	0.0045	oh	Mandor	\$ 14.00		\$ 0.06	\$ 0.06
	Jumlah harga per satuan pekerjaan			\$ 3.41	\$ 0.98		\$ 4.40
71	1 kg baja tie rod/zagrod						
	1.0250	kg	Batang baja	\$ 1.50	\$ 1.54		\$ 1.54
	0.0001	bh	Mur baut	\$ 3.00	\$ 0.00		\$ 0.00
	0.0028	Oh	Pekerja	\$ 7.00		\$ 0.02	\$ 0.02
	0.0056	Oh	Tukang	\$ 12.00		\$ 0.07	\$ 0.07
	0.0028	oh	Mandor	\$ 14.00		\$ 0.04	\$ 0.04
	Jumlah harga per satuan pekerjaan			\$ 1.54	\$ 0.13		\$ 1.66
74	1 M ² Pasang atap seng gelombang 0.20 mm						
	0.7000	Lbr.	Seng BJLS 0.20mm	\$ 2.75	\$ 1.93		\$ 1.93
	0.0200	Kg.	Paku Seng	\$ 2.00	\$ 0.04		\$ 0.04
	0.1409	Oh	Pekerja	\$ 7.00		\$ 0.99	\$ 0.99
	0.1256	Oh	Tukang kayu	\$ 12.00		\$ 1.51	\$ 1.51
	0.0510	Oh	Kepala tukang	\$ 13.00		\$ 0.66	\$ 0.66
	0.0067	Oh	Mandor	\$ 14.00		\$ 0.09	\$ 0.09
	Jumlah harga per satuan pekerjaan			\$ 1.97	\$ 3.25		\$ 5.22
75	1 M ² Pasang atap seng gelombang 0.28 mm						
	0.7000	Lbr.	Seng BJLS 0.28mm	\$ 6.00	\$ 4.20		\$ 4.20
	0.0200	Kg.	Paku Seng	\$ 2.00	\$ 0.04		\$ 0.04
	0.1409	Oh	Pekerja	\$ 7.00		\$ 0.99	\$ 0.99
	0.1256	Oh	Tukang kayu	\$ 12.00		\$ 1.51	\$ 1.51
	0.0510	Oh	Kepala tukang	\$ 13.00		\$ 0.66	\$ 0.66
	0.0067	Oh	Mandor	\$ 14.00		\$ 0.09	\$ 0.09
	Jumlah harga per satuan pekerjaan			\$ 4.24	\$ 3.25		\$ 7.49
76	1 M ² Pasang atap seng gelombang 0.30 mm						



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Ação social
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NO.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
0.7000	Lbr.	Seng BJLS 0.30mm		\$ 6.50	\$ 4.55		\$ 4.55
0.0200	Kg.	Paku Seng		\$ 2.00	\$ 0.04		\$ 0.04
0.1409	Oh	Pekerja		\$ 7.00		\$ 0.99	\$ 0.99
0.1256	Oh	Tukang kayu		\$ 12.00		\$ 1.51	\$ 1.51
0.0510	Oh	Kepala tukang		\$ 13.00		\$ 0.66	\$ 0.66
0.0067	Oh	Mandor		\$ 14.00		\$ 0.09	\$ 0.09
Jumlah harga per satuan pekerjaan				\$ 4.59	\$ 3.25	\$ 7.84	
77	1 M' Pasang nolt atap sirap seng plat						
0.4000	Lbr.	Seng Plat		\$ 2.70	\$ 1.08		\$ 1.08
0.0600	Kg.	Paku $\frac{1}{2}$ " - 1"		\$ 2.50	\$ 0.15		\$ 0.15
0.0500	Kg.	Paku 2" - 5"		\$ 1.92	\$ 0.10		\$ 0.10
0.0060	M ³	Kayu papan kelas I		\$ 697.00	\$ 4.18		\$ 4.18
0.1250	Oh	Pekerja		\$ 7.00		\$ 0.88	\$ 0.88
0.2500	Oh	Tukang kayu		\$ 12.00		\$ 3.00	\$ 3.00
0.0420	Oh	Kepala tukang		\$ 13.00		\$ 0.55	\$ 0.55
0.0063	Oh	Mandor		\$ 14.00		\$ 0.09	\$ 0.09
Jumlah harga per satuan pekerjaan				\$ 5.51	\$ 4.51	\$ 10.02	
78	1 M² Pasang atap genteng plentong kecil						
9.1667	Bh	Genteng plentong		\$ 2.25	\$ 20.63		\$ 20.63
0.6650	Oh	Pekerja		\$ 7.00		\$ 4.66	\$ 4.66
0.6650	Oh	Tukang kayu		\$ 12.00		\$ 7.98	\$ 7.98
0.0000	Oh	Kepala tukang		\$ 13.00		\$ -	\$ -
0.0035	Oh	Mandor		\$ 14.00		\$ 0.05	\$ 0.05
Jumlah harga per satuan pekerjaan				\$ 20.63	\$ 12.68	\$ 33.31	
79	1 M' Pasang bubung Genteng plentong						
4.4351	Bh	Bubungan plentong		\$ 1.50	\$ 6.65		\$ 6.65
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0320	M ³	Pasir pasang		\$ 22.35	\$ 0.72		\$ 0.72
0.4000	Oh	Pekerja		\$ 7.00		\$ 2.80	\$ 2.80
0.2000	Oh	Tukang kayu		\$ 12.00		\$ 2.40	\$ 2.40
0.0200	Oh	Kepala tukang		\$ 13.00		\$ 0.26	\$ 0.26
0.0100	Oh	Mandor		\$ 14.00		\$ 0.14	\$ 0.14
Jumlah harga per satuan pekerjaan				\$ 8.39	\$ 5.60	\$ 13.99	
80	1 M² Pasang atap asbes gelombang 1,80 x 0,92m x 5mm						
0.7577	Lbr.	Asbes gelombang		\$ 6.00	\$ 4.55		\$ 4.55
0.1200	Kg.	Paku pancing 60 x 230		\$ 1.75	\$ 0.21		\$ 0.21
0.1400	Oh	Pekerja		\$ 7.00		\$ 0.98	\$ 0.98
0.0670	Oh	Tukang kayu		\$ 12.00		\$ 0.80	\$ 0.80
0.0070	Oh	Kepala tukang		\$ 13.00		\$ 0.09	\$ 0.09
0.0035	Oh	Mandor		\$ 14.00		\$ 0.05	\$ 0.05
Jumlah harga per satuan pekerjaan				\$ 4.76	\$ 1.92	\$ 6.68	
81	1 M² Pasang atap sirap						
61.0000	Bh	Genteng sirap		\$ 2.00	\$ 122.00		\$ 122.00
0.2033	Kg.	Paku $\frac{1}{2}$ " - 1"		\$ 2.50	\$ 0.51		\$ 0.51
0.1687	Oh	Pekerja		\$ 7.00		\$ 1.18	\$ 1.18
0.2543	Oh	Tukang kayu		\$ 12.00		\$ 3.05	\$ 3.05
0.0253	Oh	Kepala tukang		\$ 13.00		\$ 0.33	\$ 0.33
0.0080	Oh	Mandor		\$ 14.00		\$ 0.11	\$ 0.11
Jumlah harga per satuan pekerjaan				\$ 122.51	\$ 4.67	\$ 127.18	
82	1 M² Pasang atap alang-alang						
6.6625	Lbr.	Alang-alang		\$ 3.00	\$ 19.99		\$ 19.99
0.5125	Kg.	Tali Pengikat		\$ 3.00	\$ 1.54		\$ 1.54
0.2050	Kg.	Pekerja		\$ 7.00		\$ 1.44	\$ 1.44
0.1025	M ³	Mandor		\$ 14.00		\$ 1.44	\$ 1.44
Jumlah harga per satuan pekerjaan				\$ 21.53	\$ 2.87	\$ 24.40	
83	Memasang 1 m talang datar / jurai seng bjls 28 lebar 90 cm						
1.0500	M'	Seng Plat BJLS 0.28mm		\$ 2.50	\$ 2.63		\$ 2.63
0.0150	kg	Paku 1 - 2,5 cm		\$ 2.50	\$ 0.04		\$ 0.04
0.0190	M3	Kayu papan kelas II		\$ 400.00	\$ 7.60		\$ 7.60
0.2310	Oh	Pekerja		\$ 7.00		\$ 1.62	\$ 1.62
0.4000	Oh	Tukang besi		\$ 12.00		\$ 4.80	\$ 4.80
0.0400	Oh	Kepala tukang		\$ 13.00		\$ 0.52	\$ 0.52
0.0100	Oh	Mandor		\$ 14.00		\$ 0.14	\$ 0.14



MINISTÉRIO DO PLANO
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VIII GOVERNO CONSTITUCIONAL

Agência de
Desenvolvimento
Nacional, Instituto Páublico

UNIT PRICE ANALYSIS (UPA)

NO.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
				Jumlah harga per satuan pekerjaan	\$ 10.26	\$ 7.08	\$ 17.34
84	Memasang 1 m talang $\frac{1}{2}$ lingkaran D-15 cm, seng plat bjls 30						
1.0500	M'	Seng Plat BJLS 0.30mm		\$ 2.70	\$ 2.84		\$ 2.84
0.0100	kg	Paku 1 - 2,5 cm		\$ 2.50	\$ 0.03		\$ 0.03
0.0125	M3	Kayu papan kelas II		\$ 400.00	\$ 5.00		\$ 5.00
0.1500	Oh	Pekerja		\$ 7.00		\$ 1.05	\$ 1.05
0.3000	Oh	Tukang besi		\$ 12.00		\$ 3.60	\$ 3.60
0.0300	Oh	Kepala tukang		\$ 13.00		\$ 0.39	\$ 0.39
0.0080	Oh	Mandor		\$ 14.00		\$ 0.11	\$ 0.11
				Jumlah harga per satuan pekerjaan	\$ 7.86	\$ 5.15	\$ 13.01
85	Memasang 1 M' talang tepi atap zincalume						
1.0500	M'	Seng Plat BJLS 0.42mm Talang		\$ 5.25	\$ 5.51		\$ 5.51
0.3500	%	perlengkapan 35% harga talang		\$ 5.25	\$ 1.84		\$ 1.84
0.3500	Oh	Pekerja		\$ 7.00		\$ 2.45	\$ 2.45
0.2500	Oh	Tuktang batu		\$ 12.00		\$ 3.00	\$ 3.00
0.0250	Oh	Kepala tuktang		\$ 13.00		\$ 0.33	\$ 0.33
0.0020	Oh	Mandor		\$ 14.00		\$ 0.03	\$ 0.03
				Jumlah harga per satuan pekerjaan	\$ 7.35	\$ 5.80	\$ 13.15
86	1 M' pasang listplank galvalume 0.42mm						
1.100	m'	Seng Plat BJLS 0.42mm listplank		\$ 5.25	\$ 5.78		\$ 5.78
6.000	pcs	Roof nail		\$ 0.38	\$ 2.28		\$ 2.28
0.350	OH	Pekerja		\$ 7.00		\$ 2.45	\$ 2.45
0.250	OH	Tuktang Batu		\$ 12.00		\$ 3.00	\$ 3.00
0.025	OH	Kepala Tuktang		\$ 13.00		\$ 0.33	\$ 0.33
0.002	OH	Mandor		\$ 14.00		\$ 0.03	\$ 0.03
				Jumlah harga per satuan pekerjaan	\$ 8.06	\$ 5.80	\$ 13.86



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87	1 M ² pasang atap zincalum colorbond 0.42						
1.1000	m'	Seng BJLS 0.42mm		\$ 7.50	\$ 8.25		\$ 8.25
10.0000	pcs	Roof nail		\$ 0.38	\$ 3.80		\$ 3.80
0.3500	OH	Pekerja		\$ 7.00		\$ 2.45	\$ 2.45
0.2500	OH	Tukang Batu		\$ 12.00		\$ 3.00	\$ 3.00
0.0250	OH	Kepala Tukang		\$ 13.00		\$ 0.33	\$ 0.33
0.0020	OH	Mandor		\$ 14.00		\$ 0.03	\$ 0.03
			Jumlah harga per satuan pekerjaan	\$ 12.05	\$ 5.80		\$ 17.85
88	1 M ² pasang atap zincalum colorbond 0.42 include Hollow Frame						
1.1000	m'	Seng BJLS 0.42mm		\$ 7.50	\$ 8.25		\$ 8.25
10.0000	pcs	Roof nail		\$ 0.38	\$ 3.80		\$ 3.80
0.7143	Btg	Besi Hollow 4 X 6		\$ 8.97	\$ 6.41		\$ 6.41
0.6279	Btg	Besi Hollow 4 X 8		\$ 12.35	\$ 7.76		\$ 7.76
0.3500	OH	Pekerja		\$ 7.00		\$ 2.45	\$ 2.45
0.2500	OH	Tukang Batu		\$ 12.00		\$ 3.00	\$ 3.00
0.0250	OH	Kepala Tukang		\$ 13.00		\$ 0.33	\$ 0.33
0.0020	OH	Mandor		\$ 14.00		\$ 0.03	\$ 0.03
			Jumlah harga per satuan pekerjaan	\$ 26.21	\$ 5.80		\$ 32.02
89	1 M ² pasang atap zincalum colorbond 0.35						
1.1000	m'	Seng BJLS 0.35mm		\$ 5.50	\$ 6.05		\$ 6.05
10.0000	pcs	Roof nail		\$ 0.38	\$ 3.80		\$ 3.80
0.3500	OH	Pekerja		\$ 7.00		\$ 2.45	\$ 2.45
0.2500	OH	Tukang Batu		\$ 12.00		\$ 3.00	\$ 3.00
0.0250	OH	Kepala Tukang		\$ 13.00		\$ 0.33	\$ 0.33
0.0020	OH	Mandor		\$ 14.00		\$ 0.03	\$ 0.03
			Jumlah harga per satuan pekerjaan	\$ 9.85	\$ 5.80		\$ 15.65
90	Memasang 1 m ² Glass wool						
1.0500	m2	Glass wool		\$ 1.28	\$ 1.35		\$ 1.35
0.1500	Oh	Pekerja		\$ 7.00		\$ 1.05	\$ 1.05
0.0500	Oh	Tukang batu		\$ 12.00		\$ 0.60	\$ 0.60
0.0050	Oh	Kepala tukang		\$ 13.00		\$ 0.07	\$ 0.07
0.0080	Oh	Mandor		\$ 14.00		\$ 0.11	\$ 0.11
			Jumlah harga per satuan pekerjaan	\$ 1.35	\$ 1.83		\$ 3.17
91	Memasang 1 m ² aluminium foil						
1.0500	m2	Alumunium foil		\$ 1.05	\$ 1.10		\$ 1.10
0.1500	Oh	Pekerja		\$ 7.00		\$ 1.05	\$ 1.05
0.0500	Oh	Tukang batu		\$ 12.00		\$ 0.60	\$ 0.60
0.0050	Oh	Kepala tukang		\$ 13.00		\$ 0.07	\$ 0.07
0.0080	Oh	Mandor		\$ 14.00		\$ 0.11	\$ 0.11
			Jumlah harga per satuan pekerjaan	\$ 1.10	\$ 1.83		\$ 2.93
92	Memasang 1 m ² roof wire/Roof mesh						
1.1000	m2	Kawat ayam (roof wire)		\$ 1.79	1.97		1.97
0.1500	OH	Pekerja		\$ 7.00		1.05	1.05
0.0500	OH	Tukang		\$ 12.00		0.60	0.60
0.0050	OH	Kepala tukang		\$ 13.00		0.07	0.07
0.0080	OH	Mandor		\$ 14.00		0.11	0.11
			Jumlah harga per satuan pekerjaan	1.97	1.83		3.79
93	Memasang 1 m ² aluminium foil (Sisalation)						
1.1000	m2	Aluminium foil simple sided with glass wool		\$ 0.94	1.04		1.04
0.1500	OH	Pekerja		\$ 7.00		1.05	1.05
0.0500	OH	Tukang		\$ 12.00		0.60	0.60
0.0050	OH	Kepala tukang		\$ 13.00		0.07	0.07
0.0080	OH	Mandor		\$ 14.00		0.11	0.11
			Jumlah harga per satuan pekerjaan	1.04	1.83		2.87



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PEKERJAAN DINDING							
94	Memasang 1 m ² Dinding porselen (11 x 11) cm						
86.0000	Bh	Porselin 11 x 11 cm		\$ 0.30	\$ 25.80		\$ 25.80
9.3000	Kg.	Semen portland		\$ 0.13	\$ 1.19		\$ 1.19
0.0180	M ³	Pasir pasang		\$ 22.35	\$ 0.40		\$ 0.40
0.9400	Kg.	Semen warna		\$ 0.31	\$ 0.29		\$ 0.29
1.0000	Oh	Pekerja		\$ 7.00		\$ 7.00	\$ 7.00
0.5000	Oh	Tukang batu		\$ 12.00		\$ 6.00	\$ 6.00
0.0500	Oh	Kepala tukang		\$ 13.00		\$ 0.65	\$ 0.65
0.0250	Oh	Mandor		\$ 14.00		\$ 0.35	\$ 0.35
Jumlah harga per satuan pekerjaan				\$ 27.68	\$ 14.00	\$ 41.68	
95	Memasang 1 m ² Dinding porselen (10 x 20) cm						
51.5000	Bh	Porselin 10 x 20 cm		#REF!	#REF!		#REF!
9.3000	Kg.	Semen portland		\$ 0.13	\$ 1.19		\$ 1.19
0.0180	M ³	Pasir pasang		\$ 22.35	\$ 0.40		\$ 0.40
1.0000	Kg.	Semen warna		\$ 0.31	\$ 0.31		\$ 0.31
0.9450	Oh	Pekerja		\$ 7.00		\$ 6.62	\$ 6.62
0.5000	Oh	Tukang batu		\$ 12.00		\$ 6.00	\$ 6.00
0.0500	Oh	Kepala tukang		\$ 13.00		\$ 0.65	\$ 0.65
0.0250	Oh	Mandor		\$ 14.00		\$ 0.35	\$ 0.35
Jumlah harga per satuan pekerjaan				#REF!	\$ 13.62	#REF!	
96	Memasang 1 m ² Diuding porselen (20 x 20) cm						
25.0000	Bh	Porselin 20 x 20 cm		\$ 0.26	\$ 6.50		\$ 6.50
7.0000	Kg.	Semen portland		\$ 0.13	\$ 0.89		\$ 0.89
0.0150	M ³	Pasir pasang		\$ 22.35	\$ 0.34		\$ 0.34
0.7500	Kg.	Semen warna		\$ 0.31	\$ 0.23		\$ 0.23
0.9450	Oh	Pekerja		\$ 7.00		\$ 6.62	\$ 6.62
0.5000	Oh	Tukang batu		\$ 12.00		\$ 6.00	\$ 6.00
0.0500	Oh	Kepala tukang		\$ 13.00		\$ 0.65	\$ 0.65
0.0250	Oh	Mandor		\$ 14.00		\$ 0.35	\$ 0.35
Jumlah harga per satuan pekerjaan				\$ 7.96	\$ 13.62	\$ 21.58	
97	Memasang 1 m ² Dinding Keramik Artistik Utkuran (5 x 20) cm						
106.0000	Bh	Keramik artistik 5 x 20 cm		#REF!	#REF!		#REF!
9.3000	Kg.	Semen portland		\$ 0.13	\$ 1.19		\$ 1.19
0.0180	M ³	Pasir pasang		\$ 22.35	\$ 0.40		\$ 0.40
2.9000	Kg.	Semen warna		\$ 0.31	\$ 0.91		\$ 0.91
0.9450	Oh	Pekerja		\$ 7.00		\$ 6.62	\$ 6.62
0.5000	Oh	Tukang batu		\$ 12.00		\$ 6.00	\$ 6.00
0.0500	Oh	Kepala tukang		\$ 13.00		\$ 0.65	\$ 0.65
0.0250	Oh	Mandor		\$ 14.00		\$ 0.35	\$ 0.35
Jumlah harga per satuan pekerjaan				#REF!	\$ 13.62	#REF!	
98	Memasang 1 m ² Dinding Keramik Artistik Utkuran (5 x 10) cm						
206.0000	Bh	Keramik artistik 5 x 10 cm		#REF!	#REF!		#REF!
13.9500	Kg.	Semen portland		\$ 0.13	\$ 1.78		\$ 1.78
0.0270	M ³	Pasir pasang		\$ 22.35	\$ 0.60		\$ 0.60
4.3500	Kg.	Semen warna		\$ 0.31	\$ 1.36		\$ 1.36
1.0000	Oh	Pekerja		\$ 7.00		\$ 7.00	\$ 7.00
0.5000	Oh	Tukang batu		\$ 12.00		\$ 6.00	\$ 6.00
0.0500	Oh	Kepala tukang		\$ 13.00		\$ 0.65	\$ 0.65
0.0250	Oh	Mandor		\$ 14.00		\$ 0.35	\$ 0.35
Jumlah harga per satuan pekerjaan				#REF!	\$ 14.00	#REF!	
99	Memasang 1 m ² Dinding Bata Pelapis (3 x 7 x 24) cm						
63.0000	Bh	Bata Pelapis 3 x 7 x 24 cm		#REF!	#REF!		#REF!
12.4400	Kg.	Semen portland		\$ 0.13	\$ 1.59		\$ 1.59
0.0250	M ³	Pasir pasang		\$ 22.35	\$ 0.56		\$ 0.56
1.0000	Kg.	Semen warna		\$ 0.31	\$ 0.31		\$ 0.31
1.0000	Oh	Pekerja		\$ 7.00		\$ 7.00	\$ 7.00
0.5000	Oh	Tukang batu		\$ 12.00		\$ 6.00	\$ 6.00
0.0500	Oh	Kepala tukang		\$ 13.00		\$ 0.65	\$ 0.65
0.0250	Oh	Mandor		\$ 14.00		\$ 0.35	\$ 0.35
Jumlah harga per satuan pekerjaan				#REF!	\$ 14.00	#REF!	
100	Memasang 1 m ² Dinding Batu Paras						



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1.0400	M ²	Batu Paras	#REF!	#REF!			#REF!
11.7500	Kg.	Semen pordland	\$ 0.13	\$ 1.50			\$ 1.50
0.0360	M ³	Pasir pasang	\$ 22.35	\$ 0.80			\$ 0.80
0.7000	Oh	Pekerja	\$ 7.00		\$ 4.90	\$ 4.90	
0.3500	Oh	Tukang batu	\$ 12.00		\$ 4.20	\$ 4.20	
0.0350	Oh	Kepala tulkang	\$ 13.00		\$ 0.46	\$ 0.46	
0.0175	Oh	Mandor	\$ 14.00		\$ 0.25	\$ 0.25	
Jumlah harga per satuan pekerjaan				#REF!	\$ 9.80	#REF!	
101	Memasang 1 m ² Dinding Batu Bunga						
37.0000	M ²	Batu Bunga (15 X 15 cm)	\$ 1.10	\$ 40.70			\$ 40.70
11.7500	Kg.	Semen portland	\$ 0.13	\$ 1.50			\$ 1.50
0.0350	M ³	Pasir pasang	\$ 22.35	\$ 0.78			\$ 0.78
0.7000	Oh	Pekerja	\$ 7.00		\$ 4.90	\$ 4.90	
0.3500	Oh	Tukang batu	\$ 12.00		\$ 4.20	\$ 4.20	
0.0350	Oh	Kepala Tulkang	\$ 13.00		\$ 0.46	\$ 0.46	
0.0175	Oh	Mandor	\$ 14.00		\$ 0.25	\$ 0.25	
Jumlah harga per satuan pekerjaan				\$ 42.98	\$ 9.80	\$ 52.78	
102	1 M ² Pasangan Batako 40x20x10 cm, camp speci 1PC : 4Ps						
12.5000	Bh.	Batako 40x20x10	\$ 0.53	\$ 6.56			\$ 6.56
12.0000	Kg.	Semen Portland	\$ 0.13	\$ 1.53			\$ 1.53
0.0380	M ³	Pasir pasang	\$ 22.35	\$ 0.85			\$ 0.85
0.3518	Oh	Pekerja	\$ 7.00		\$ 2.46	\$ 2.46	
0.1131	Oh	Tukang Batu	\$ 12.00		\$ 1.36	\$ 1.36	
0.0193	Oh	Kepala Tulkang	\$ 13.00		\$ 0.25	\$ 0.25	
0.0091	Oh	Mandor	\$ 14.00		\$ 0.13	\$ 0.13	
Jumlah harga per satuan pekerjaan				\$ 8.94	\$ 4.20	\$ 13.14	
103	1 M ² Pasangan Batako 39x19x19 cm, camp speci 1PC : 5Ps						
12.5000	Bh.	Full Block 39x19x19	\$ 0.65	\$ 8.13			\$ 8.13
12.0000	Kg.	Semen Portland	\$ 0.13	\$ 1.53			\$ 1.53
0.0380	M ³	Pasir pasang	\$ 22.35	\$ 0.85			\$ 0.85
0.3518	Oh	Pekerja	\$ 7.00		\$ 2.46	\$ 2.46	
0.1131	Oh	Tukang Batu	\$ 12.00		\$ 1.36	\$ 1.36	
0.0193	Oh	Kepala Tulkang	\$ 13.00		\$ 0.25	\$ 0.25	
0.0091	Oh	Mandor	\$ 14.00		\$ 0.13	\$ 0.13	
Jumlah harga per satuan pekerjaan				\$ 10.50	\$ 4.20	\$ 14.70	
104	1 M ² Pasangan Batako 39x19x19 cm, camp speci 1PC : 4Ps (dengan isian mortar dalam batako)						
12.5000	Bh.	Full Block 39x19x19	\$ 0.65	\$ 8.13			\$ 8.13
28.3958	Kg.	Seimen Portland	\$ 0.13	\$ 3.62			\$ 3.62
0.1013	M ³	Pasir pasang	\$ 22.35	\$ 2.26			\$ 2.26
0.7745	Oh	Pekerja	\$ 7.00		\$ 5.42	\$ 5.42	
0.2490	Oh	Tukang Batu	\$ 12.00		\$ 2.99	\$ 2.99	
0.0425	Oh	Kepala Tulkang	\$ 13.00		\$ 0.55	\$ 0.55	
0.0200	Oh	Mandor	\$ 14.00		\$ 0.28	\$ 0.28	
Jumlah harga per satuan pekerjaan				\$ 14.01	\$ 9.24	\$ 23.25	
105	1 M ² Pasangan Batako 40x15x20 cm, camp speci 1PC : 5Ps (dengan isian mortar dalam batako)						
12.5000	Bh.	Hollow Block 40x15x20	\$ 1.55	\$ 19.38			\$ 19.38
20.5864	Kg.	Semen Portland	\$ 0.13	\$ 2.62			\$ 2.62
0.0734	M ³	Pasir pasang	\$ 22.35	\$ 1.64			\$ 1.64
0.5615	Oh	Pekerja	\$ 7.00		\$ 3.93	\$ 3.93	
0.1805	Oh	Tukang Batu	\$ 12.00		\$ 2.17	\$ 2.17	
0.0308	Oh	Kepala Tulkang	\$ 13.00		\$ 0.40	\$ 0.40	
0.0145	Oh	Mandor	\$ 14.00		\$ 0.20	\$ 0.20	
Jumlah harga per satuan pekerjaan				\$ 23.64	\$ 6.70	\$ 30.34	
106	1 M ² Pasangan Paving block 25x20x6cm						
20.6000	Bh.	Footstone 25x20x6cm	\$ 0.47	\$ 9.58			\$ 9.58
0.0000	Kg.	Semen Portland	\$ 0.13	\$ -			\$ -
0.0620	M ³	Pasir pasang	\$ 22.35	\$ 1.39			\$ 1.39
0.3210	Oh	Pekerja	\$ 7.00		\$ 2.25	\$ 2.25	
0.4370	Oh	Tukang Batu	\$ 12.00		\$ 5.24	\$ 5.24	
0.0220	Oh	Kepala Tulkang	\$ 13.00		\$ 0.29	\$ 0.29	
0.0175	Oh	Mandor	\$ 14.00		\$ 0.25	\$ 0.25	
Jumlah harga per satuan pekerjaan				\$ 10.96	\$ 8.02	\$ 18.99	
107	1 M ² Pasangan Paving block 20x10x6 cm						



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51.5000	Bh.	Paving block 20x10x6 cm		\$ 0.28	\$ 14.42		\$ 14.42
0.0000	Kg.	Semen Portland		\$ 0.13	\$ -		\$ -
0.0620	M ³	Pasir pasang		\$ 22.35	\$ 1.39		\$ 1.39
0.3210	Oh	Pekerja		\$ 7.00		\$ 2.25	\$ 2.25
0.4370	Oh	Tukang Batu		\$ 12.00		\$ 5.24	\$ 5.24
0.0220	Oh	Kepala Tukang		\$ 13.00		\$ 0.29	\$ 0.29
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan					\$ 15.81	\$ 8.02	\$ 23.83
108	Memasang 1 M² rangka dinding pemisah, 60x120 cm, kayu kelas II/III						
0.0283	M ³	Balok kayu klas II		\$ 380.00	\$ 10.75		\$ 10.75
0.1527	Kg.	Paku 5 - 10 cm		\$ 1.92	\$ 0.29		\$ 0.29
0.1527	Oh	Pekerja		\$ 7.00		\$ 1.07	\$ 1.07
0.4577	Oh	Tukang Kayu		\$ 12.00		\$ 5.49	\$ 5.49
0.0473	Oh	Kepala Tukang		\$ 13.00		\$ 0.61	\$ 0.61
0.0080	Oh	Mandor		\$ 14.00		\$ 0.11	\$ 0.11
Jumlah harga per satuan pekerjaan					\$ 11.05	\$ 7.29	\$ 18.33
109	Memasang 1 M² dinding pemisah teakwood rangkap, kayu kelas II						
0.0275	M ³	Kayu balok kelas II (6/12)		\$ 430.00	\$ 11.83		\$ 11.83
0.1500	Kg.	Paku 5 - 10 cm		\$ 1.92	\$ 0.29		\$ 0.29
0.8451	Lbr.	Teakwood 4 mm		\$ 6.00	\$ 5.07		\$ 5.07
0.4500	Kg.	Lem kayu		\$ 1.75	\$ 0.79		\$ 0.79
0.1436	Oh	Pekerja		\$ 7.00		\$ 1.01	\$ 1.01
0.4307	Oh	Tukang Kayu		\$ 12.00		\$ 5.17	\$ 5.17
0.0431	Oh	Kepala Tukang		\$ 13.00		\$ 0.56	\$ 0.56
0.0077	Oh	Mandor		\$ 14.00		\$ 0.11	\$ 0.11
Jumlah harga per satuan pekerjaan					\$ 17.97	\$ 6.84	\$ 24.81
110	Memasang 1 M² dinding pemisah plywood rangkap, kayu kelas II						
0.0280	M ³	Kayu balok kelas II (6/12)		\$ 430.00	\$ 12.04		\$ 12.04
0.1440	Kg.	Paku 5 - 10 cm		\$ 1.92	\$ 0.28		\$ 0.28
0.8451	Lbr.	Plywood 4 mm		\$ 14.00	\$ 11.83		\$ 11.83
0.4500	Kg.	Lem kayu		\$ 1.75	\$ 0.79		\$ 0.79
0.1914	Oh	Pekerja		\$ 7.00		\$ 1.34	\$ 1.34
0.5742	Oh	Tukang Kayu		\$ 12.00		\$ 6.89	\$ 6.89
0.0574	Oh	Kepala Tukang		\$ 13.00		\$ 0.75	\$ 0.75
0.0096	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
Jumlah harga per satuan pekerjaan					\$ 24.93	\$ 9.11	\$ 34.05
111	Memasang 1 M² dinding lambrizing papan kayu klas I						
0.0070	M ³	Kayu papan kelas I		\$ 697.00	\$ 4.88		\$ 4.88
0.1025	Kg.	Paku 5 - 10 cm		\$ 1.92	\$ 0.20		\$ 0.20
0.1538	Kg.	Paku skrup 10 cm		\$ 1.75	\$ 0.27		\$ 0.27
0.6150	Oh	Pekerja		\$ 7.00		\$ 4.31	\$ 4.31
1.8450	Oh	Tukang Kayu		\$ 12.00		\$ 22.14	\$ 22.14
0.1845	Oh	Kepala Tukang		\$ 13.00		\$ 2.40	\$ 2.40
0.0308	Oh	Mandor		\$ 14.00		\$ 0.43	\$ 0.43
Jumlah harga per satuan pekerjaan					\$ 5.34	\$ 29.27	\$ 34.62
112	Memasang M² dinding lambrizing plywood						
0.4100	Lbr.	Lambrizing plywood 4 mm ukuran 120x240 cm		\$ 10.00	\$ 4.10		\$ 4.10
0.0515	Kg.	Paku 1 - 2,5 cm		\$ 2.50	\$ 0.13		\$ 0.13
0.0255	Oh	Pekerja		\$ 7.00		\$ 0.18	\$ 0.18
0.0770	Oh	Tukang Kayu		\$ 12.00		\$ 0.92	\$ 0.92
0.0077	Oh	Kepala Tukang		\$ 13.00		\$ 0.10	\$ 0.10
0.0010	Oh	Mandor		\$ 14.00		\$ 0.01	\$ 0.01
Jumlah harga per satuan pekerjaan					\$ 4.23	\$ 1.22	\$ 5.45
113	Memasang 1 M² dinding pemisah calsiboard 6 mm + Hollow						
4.0000	M'	Profil RHS/SHS (per meter)		\$ 2.37	\$ 9.48		\$ 9.48
0.1440	Kg.	Screw		\$ 2.50	\$ 0.36		\$ 0.36
0.6940	Lbr.	calsiboard 6 mm		\$ 10.00	\$ 6.94		\$ 6.94
0.072	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.125	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.1914	Oh	Pekerja		\$ 7.00		\$ 1.34	\$ 1.34
0.5742	Oh	Tukang Kayu		\$ 12.00		\$ 6.89	\$ 6.89
0.0574	Oh	Kepala Tukang		\$ 13.00		\$ 0.75	\$ 0.75



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				SATUAN	BAHAN	UPAH	JUMLAH
0.0096	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
			Jumlah harga per satuan pekerjaan	\$ 18.05	\$ 9.11	\$ 27.16	
114	Memasang 1 M ² dinding pemisah calsiboard 9 mm + Hollow						
4.0000	M'	Profil RHS/SHS (per meter)		\$ 2.37	\$ 9.48		\$ 9.48
0.1440	Kg.	Screw		\$ 2.50	\$ 0.36		\$ 0.36
0.6940	Lbr.	calsiboard 9 mm		\$ 17.00	\$ 11.80		\$ 11.80
0.072	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.125	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.1914	Oh	Pekerja		\$ 7.00		\$ 1.34	\$ 1.34
0.5742	Oh	Tukang Kayu		\$ 12.00		\$ 6.89	\$ 6.89
0.0574	Oh	Kepala Tukang		\$ 13.00		\$ 0.75	\$ 0.75
0.0096	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
			Jumlah harga per satuan pekerjaan	\$ 22.91	\$ 9.11	\$ 32.02	
115	Memasang 1 M ² dinding pemisah gypsum 9 mm + Hollow						
4.0000	M'	Profil RHS/SHS (per meter)		\$ 2.37	\$ 9.48		\$ 9.48
0.1440	Kg.	Screw		\$ 2.50	\$ 0.36		\$ 0.36
0.6940	Lbr.	gypsum Board 9mm		\$ 7.91	\$ 5.49		\$ 5.49
0.072	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.125	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.1914	Oh	Pekerja		\$ 7.00		\$ 1.34	\$ 1.34
0.5742	Oh	Tukang Kayu		\$ 12.00		\$ 6.89	\$ 6.89
0.0574	Oh	Kepala Tukang		\$ 13.00		\$ 0.75	\$ 0.75
0.0096	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
			Jumlah harga per satuan pekerjaan	\$ 16.59	\$ 9.11	\$ 25.71	
116	Memasang 1 M ² dinding pemisah gypsum 6 mm + Hollow						
4.0000	M'	Profil RHS/SHS (per meter)		\$ 2.37	\$ 9.48		\$ 9.48
0.1440	Kg.	Screw		\$ 2.50	\$ 0.36		\$ 0.36
0.6940	Lbr.	gypsum Board 6mm		\$ 6.80	\$ 4.72		\$ 4.72
0.072	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.125	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.1914	Oh	Pekerja		\$ 7.00		\$ 1.34	\$ 1.34
0.5742	Oh	Tukang Kayu		\$ 12.00		\$ 6.89	\$ 6.89
0.0574	Oh	Kepala Tukang		\$ 13.00		\$ 0.75	\$ 0.75
0.0096	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
			Jumlah harga per satuan pekerjaan	\$ 15.83	\$ 9.11	\$ 24.94	
117	Memasang 1 M ² dinding pemisah calsiboard 6 mm + rangka strut and track						
4.0000	M'	Rangka strut and track		\$ 2.50	\$ 10.00		\$ 10.00
0.1440	Kg.	Screw		\$ 2.50	\$ 0.36		\$ 0.36
0.6940	Lbr.	calsiboard 6 mm		\$ 10.00	\$ 6.94		\$ 6.94
0.072	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.125	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.1914	Oh	Pekerja		\$ 7.00		\$ 1.34	\$ 1.34
0.5742	Oh	Tukang Kayu		\$ 12.00		\$ 6.89	\$ 6.89
0.0574	Oh	Kepala Tukang		\$ 13.00		\$ 0.75	\$ 0.75
0.0096	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
			Jumlah harga per satuan pekerjaan	\$ 18.56	\$ 9.11	\$ 27.68	
118	Memasang 1 M ² dinding pemisah calsiboard 9 mm + rangka strut and track						
4.0000	M'	Rangka strut and track		\$ 2.50	\$ 10.00		\$ 10.00
0.1440	Kg.	Screw		\$ 2.50	\$ 0.36		\$ 0.36
0.6940	Lbr.	calsiboard 9 mm		\$ 17.00	\$ 11.80		\$ 11.80
0.072	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.125	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.1914	Oh	Pekerja		\$ 7.00		\$ 1.34	\$ 1.34
0.5742	Oh	Tukang Kayu		\$ 12.00		\$ 6.89	\$ 6.89
0.0574	Oh	Kepala Tukang		\$ 13.00		\$ 0.75	\$ 0.75
0.0096	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
			Jumlah harga per satuan pekerjaan	\$ 23.42	\$ 9.11	\$ 32.53	
119	Memasang 1 M ² dinding pemisah gypsum 9 mm + rangka strut and track						
4.0000	M'	Rangka strut and track		\$ 2.50	\$ 10.00		\$ 10.00
0.1440	Kg.	Screw		\$ 2.50	\$ 0.36		\$ 0.36
0.6940	Lbr.	gypsum Board 9mm		\$ 7.91	\$ 5.49		\$ 5.49
0.072	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.125	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.1914	Oh	Pekerja		\$ 7.00		\$ 1.34	\$ 1.34



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				SATUAN	BAHAN	UPAH	JUMLAH
0.5742	Oh	Tukang Kayu		\$ 12.00		\$ 6.89	\$ 6.89
0.0574	Oh	Kepala Tukang		\$ 13.00		\$ 0.75	\$ 0.75
0.0096	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
			Jumlah harga per satuan pekerjaan	\$ 17.11	\$ 9.11	\$ 26.22	
120	Memasang 1 M ² dinding pemisah gypsum 6 mm + rangka strut and track						
4.0000	M'	Rangka strut and track		\$ 2.50	\$ 10.00		\$ 10.00
0.1440	Kg.	Screw		\$ 2.50	\$ 0.36		\$ 0.36
0.6940	Lbr.	gypsum Board 6mm		\$ 6.80	\$ 4.72		\$ 4.72
0.072	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.125	Zal	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.1914	Oh	Pekerja		\$ 7.00		\$ 1.34	\$ 1.34
0.5742	Oh	Tukang Kayu		\$ 12.00		\$ 6.89	\$ 6.89
0.0574	Oh	Kepala Tukang		\$ 13.00		\$ 0.75	\$ 0.75
0.0096	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
			Jumlah harga per satuan pekerjaan	\$ 16.34	\$ 9.11	\$ 25.45	
121	Memasang 1 m ² Kertas Dinding Lebar 50 cm						
2.2000	M	Wall Paper		\$ 0.75	\$ 1.65		\$ 1.65
0.2000	Kg.	Lem wall paper		\$ 5.00	\$ 1.00		\$ 1.00
0.3850	Oh	Pekerja		\$ 7.00		\$ 2.70	\$ 2.70
0.1925	Oh	Tukang		\$ 12.00		\$ 2.31	\$ 2.31
0.0160	Oh	Kepala tukang		\$ 13.00		\$ 0.21	\$ 0.21
0.0020	Oh	Mandor		\$ 14.00		\$ 0.03	\$ 0.03
			Jumlah harga per satuan pekerjaan	\$ 2.65	\$ 5.24	\$ 7.89	
122	Memasang 1 m ² batu alam						
1.1000	M ²	Batu alam		\$ 45.00	\$ 49.50		\$ 49.50
11.5453	Kg.	Semen portland		\$ 0.13	\$ 1.47		\$ 1.47
0.0193	M ³	Pasir pasang		\$ 22.35	\$ 0.43		\$ 0.43
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
			Jumlah harga per satuan pekerjaan	\$ 51.40	\$ 9.80	\$ 61.20	
123	Memasang 1 m ² Dinding keramik ukuran 40 x 40 cm						
6.6250	Bh	Keramik 40 x 40		\$ 1.50	\$ 9.94		\$ 9.94
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
0.9400	Kg.	Semen warna		\$ 0.31	\$ 0.29		\$ 0.29
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.5000	Oh	Tukang batu		\$ 12.00		\$ 6.00	\$ 6.00
0.0500	Oh	Kepala tukang		\$ 13.00		\$ 0.65	\$ 0.65
0.0250	Oh	Mandor		\$ 14.00		\$ 0.35	\$ 0.35
			Jumlah harga per satuan pekerjaan	\$ 12.26	\$ 11.90	\$ 24.16	
124	Memasang 1 m ² Dinding keramik ukuran 30 x 30 cm						
11.8700	Bh	Keramik 30 x 30		\$ 0.77	\$ 9.17		\$ 9.17
7.5000	Kg.	Semen portland		\$ 0.13	\$ 0.96		\$ 0.96
0.0350	M ³	Pasir pasang		\$ 22.35	\$ 0.78		\$ 0.78
0.7500	Kg.	Semen warna		\$ 0.31	\$ 0.23		\$ 0.23
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.5000	Oh	Tukang batu		\$ 12.00		\$ 6.00	\$ 6.00
0.0500	Oh	Kepala tukang		\$ 13.00		\$ 0.65	\$ 0.65
0.0250	Oh	Mandor		\$ 14.00		\$ 0.35	\$ 0.35
			Jumlah harga per satuan pekerjaan	\$ 11.15	\$ 11.90	\$ 23.05	
125	Memasang 1 M ² dinding roster beton 20x20 cm 1pc : 3ps						
25.0000	bh	Roster		\$ 0.96	24.00		24.00
12.8000	Kg.	Semen portland		\$ 0.13	1.63		1.63
0.0350	m3	Pasir pasang		\$ 22.35	0.78		0.78
0.3000	Oh	Pekerja		\$ 7.00		2.10	2.10
0.1000	Oh	Tukang batu		\$ 12.00		1.20	1.20
0.0100	Oh	Kepala Tukang		\$ 13.00		0.13	0.13
0.0150	Oh	Mandor		\$ 14.00		0.21	0.21
			Jumlah harga per satuan pekerjaan	\$ 26.41	\$ 3.64	\$ 30.05	
126	Memasang 1 M ² dinding roster beton 20x20 cm 1pc : 4ps						
25.0000	bh	Roster		\$ 0.96	24.00		24.00



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11.0000	Kg.	Semen portland		\$ 0.13	1.40		1.40
0.0350	m³	Pasir pasang		\$ 22.35	0.78		0.78
0.3000	Oh	Pekerja		\$ 7.00		2.10	2.10
0.1000	Oh	Tukang batu		\$ 12.00		1.20	1.20
0.0100	Oh	Kepala Tukang		\$ 13.00		0.13	0.13
0.0150	Oh	Mandor		\$ 14.00		0.21	0.21
Jumlah harga per satuan pekerjaan				\$ 26.18	\$ 3.64	\$ 29.82	
127	Memasang 1 M ² dinding glass block 20x20 cm 1pc : 4ps						
25.0000	bh	Glass block		\$ 3.00	75.00		75.00
11.0000	Kg.	Semen portland		\$ 0.13	1.40		1.40
0.3000	Oh	Pekerja		\$ 7.00		2.10	2.10
0.1000	Oh	Tukang batu		\$ 12.00		1.20	1.20
0.0100	Oh	Kepala Tukang		\$ 13.00		0.13	0.13
0.0150	Oh	Mandor		\$ 14.00		0.21	0.21
Jumlah harga per satuan pekerjaan				\$ 76.40	\$ 3.64	\$ 80.04	
PEKERJAAN PLESTERAN & ACIAN							
128	1 M ² Plesteran 1 Pc : 3 Ps, tebal 15 mm						
7.0521	Kg.	Semen Portland		\$ 0.13	\$ 0.90		\$ 0.90
0.0200	M ³	Pasir pasang		\$ 22.35	\$ 0.45		\$ 0.45
0.2559	Oh	Pekerja		\$ 7.00		1.79	1.79
0.1500	Oh	Tukang Batu		\$ 12.00		1.80	1.80
0.0167	Oh	Kepala Tukang		\$ 13.00		0.22	0.22
0.0083	Oh	Mandor		\$ 14.00		0.12	0.12
Jumlah harga per satuan pekerjaan				\$ 1.35	\$ 3.92	\$ 5.27	
129	1 M ² Plesteran 1 Pc : 4 Ps, tebal 15 mm						
6.2400	Kg.	Semen Portland					
0.0214	M ³	Pasir pasang					
0.2559	Oh	Pekerja		\$ 7.00		1.79	1.79
0.1500	Oh	Tukang Batu		\$ 12.00		1.80	1.80
0.0167	Oh	Kepala Tukang		\$ 13.00		0.22	0.22
0.0083	Oh	Mandor		\$ 14.00		0.12	0.12
Jumlah harga per satuan pekerjaan				\$ -	\$ 3.92	\$ 3.92	
130	1 M ² Plesteran 1 Pc : 2 Ps, tebal 20 mm						
12.7500	Kg.	Semen Portland		\$ 0.13	1.63		1.63
0.0270	M ³	Pasir pasang		\$ 22.35	0.60		0.60
0.3500	Oh	Pekerja		\$ 7.00		2.45	2.45
0.1500	Oh	Tukang Batu		\$ 12.00		1.80	1.80
0.0202	Oh	Kepala Tukang		\$ 13.00		0.26	0.26
0.0101	Oh	Mandor		\$ 14.00		0.14	0.14
Jumlah harga per satuan pekerjaan				\$ 2.23	\$ 4.65	\$ 6.88	
131	1 M ² Plesteran 1 Pc : 3 Ps, tebal 20 mm						
10.3500	Kg.	Semen Portland		\$ 0.13	1.32		1.32
0.0310	M ³	Pasir pasang		\$ 22.35	0.69		0.69
0.3500	Oh	Pekerja		\$ 7.00		2.45	2.45
0.1500	Oh	Tukang Batu		\$ 12.00		1.80	1.80
0.0202	Oh	Kepala Tukang		\$ 13.00		0.26	0.26
0.0101	Oh	Mandor		\$ 14.00		0.14	0.14
Jumlah harga per satuan pekerjaan				\$ 2.01	\$ 4.65	\$ 6.67	
132	1 M ² Plesteran 1 Pc : 4 Ps, tebal 20 mm						
8.3200	Kg.	Semen Portland		\$ 0.13	1.06		1.06
0.0320	M ³	Pasir pasang		\$ 22.35	0.72		0.72
0.3500	Oh	Pekerja		\$ 7.00		2.45	2.45
0.1500	Oh	Tukang Batu		\$ 12.00		1.80	1.80
0.0202	Oh	Kepala Tukang		\$ 13.00		0.26	0.26
0.0101	Oh	Mandor		\$ 14.00		0.14	0.14
Jumlah harga per satuan pekerjaan				\$ 1.78	\$ 4.65	\$ 6.43	
133	1 M ² Plesteran Ciprat, 1 Pc : 2 Ps						
5.6080	Kg.	Semen Portland		\$ 0.13	0.72		0.72
0.0110	M ³	Pasir pasang		\$ 22.35	0.25		0.25
0.2559	Oh	Pekerja		\$ 7.00		1.79	1.79
0.1270	Oh	Tukang Batu		\$ 12.00		1.52	1.52
0.0130	Oh	Kepala Tukang		\$ 13.00		0.17	0.17
0.0060	Oh	Mandor		\$ 14.00		0.08	0.08



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				Jumlah harga per satuan pekerjaan			\$ 4.53
134	1 M ² Plesteran 1 Pc : 5 Ps, tebal 15 mm			\$ 0.96	\$ 3.57		
	4.7751	Kg.	Semen Portland	\$ 0.13	\$ 0.61		\$ 0.61
	0.0220	M ³	Pasir pasang	\$ 22.35	\$ 0.49		\$ 0.49
	0.2559	Oh	Pekerja	\$ 7.00		\$ 1.79	\$ 1.79
	0.1500	Oh	Tukang Batu	\$ 12.00		\$ 1.80	\$ 1.80
	0.0167	Oh	Kepala Tukang	\$ 13.00		\$ 0.22	\$ 0.22
	0.0083	Oh	Mandor	\$ 14.00		\$ 0.12	\$ 0.12
				Jumlah harga per satuan pekerjaan			\$ 5.03
135	1 M ² Plesteran 1 Pc : 5 Ps, tebal 20 mm			\$ 1.10	\$ 3.92		
	6.4490	Kg.	Semen Portland	\$ 0.13	\$ 0.82		\$ 0.82
	0.0230	M ³	Pasir pasang	\$ 22.35	\$ 0.51		\$ 0.51
	0.3500	Oh	Pekerja	\$ 7.00		\$ 2.45	\$ 2.45
	0.1500	Oh	Tukang Batu	\$ 12.00		\$ 1.80	\$ 1.80
	0.0202	Oh	Kepala Tukang	\$ 13.00		\$ 0.26	\$ 0.26
	0.0101	Oh	Mandor	\$ 14.00		\$ 0.14	\$ 0.14
				Jumlah harga per satuan pekerjaan			\$ 5.99
136	Memasang 1 m ² finishing star pasangan dinding bata merah			\$ 1.34	\$ 4.65		
	3.8220	Kg.	Semen Portland	\$ 0.13	\$ 0.49		\$ 0.49
	0.1500	Oh	Pekerja	\$ 7.00		\$ 1.05	\$ 1.05
	0.0731	Oh	Tukang Batu	\$ 12.00		\$ 0.88	\$ 0.88
	0.0074	Oh	Kepala Tukang	\$ 13.00		\$ 0.10	\$ 0.10
	0.0037	Oh	Mandor	\$ 14.00		\$ 0.05	\$ 0.05
				Jumlah harga per satuan pekerjaan			\$ 2.56
137	Memasang 1 m ² finishing star pasangan dinding conblock ekspose			\$ 0.49	\$ 2.08		
	1.6400	Kg.	Semen Portland	\$ 0.13	\$ 0.21		\$ 0.21
	0.0720	Oh	Pekerja	\$ 7.00		\$ 0.50	\$ 0.50
	0.0360	Oh	Tukang Batu	\$ 12.00		\$ 0.43	\$ 0.43
	0.0040	Oh	Kepala Tukang	\$ 13.00		\$ 0.05	\$ 0.05
	0.0020	Oh	Mandor	\$ 14.00		\$ 0.03	\$ 0.03
				Jumlah harga per satuan pekerjaan			\$ 1.23
138	Memasang 1 m ² finishing star pasangan batu kali adukan 1 PC : 2 Ps			\$ 1.08	\$ 4.20		
	6.3400	Kg.	Semen Portland	\$ 0.13	\$ 0.81		\$ 0.81
	0.0120	M ³	Pasir pasang	\$ 22.35	\$ 0.27		\$ 0.27
	0.3000	Oh	Pekerja	\$ 7.00		\$ 2.10	\$ 2.10
	0.1500	Oh	Tukang Batu	\$ 12.00		\$ 1.80	\$ 1.80
	0.0150	Oh	Kepala Tukang	\$ 13.00		\$ 0.20	\$ 0.20
	0.0075	Oh	Mandor	\$ 14.00		\$ 0.11	\$ 0.11
				Jumlah harga per satuan pekerjaan			\$ 5.28
139	1 m ² Acian			\$ 0.45	\$ 2.79		
	3.5000	Kg.	Semen Portland	\$ 0.13	\$ 0.45		\$ 0.45
	0.1753	Oh	Pekerja	\$ 7.00		\$ 1.23	\$ 1.23
	0.1057	Oh	Tukang Batu	\$ 12.00		\$ 1.27	\$ 1.27
	0.0146	Oh	Kepala Tukang	\$ 13.00		\$ 0.19	\$ 0.19
	0.0073	Oh	Mandor	\$ 14.00		\$ 0.10	\$ 0.10
				Jumlah harga per satuan pekerjaan			\$ 3.23
	PEKERJAAN KAYU						
140	Membuat dan memasang 1 M ³ kusen pintu dan Kusen jendela kayu kelas I						
	1.1080	M ³	Balok kayu lidas I	\$ 500.00	\$ 554.00		\$ 554.00
	1.0031	Kg.	Paku 10cm	\$ 1.92	\$ 1.92		\$ 1.92
	1.0000	Kg.	Lem kayu	\$ 1.75	\$ 1.75		\$ 1.75
	6.9380	Oh	Pekerja	\$ 7.00		\$ 48.57	\$ 48.57
	20.8140	Oh	Tukang Kayu	\$ 12.00		\$ 249.77	\$ 249.77
	2.1521	Oh	Kepala Tukang	\$ 13.00		\$ 27.98	\$ 27.98
	0.4283	Oh	Mandor	\$ 14.00		\$ 6.00	\$ 6.00
				Jumlah harga per satuan pekerjaan			\$ 889.98
141	Membuat dan memasang 1 M ³ kusen pintu dan jendela kayu kelas II/III			\$ 557.67	\$ 332.31		
	1.1080	M ³	Balok kayu lidas II	\$ 380.00	\$ 421.04		\$ 421.04
	1.0031	Kg.	Paku 10cm	\$ 1.92	\$ 1.92		\$ 1.92
	1.0000	Kg.	Lem kayu	\$ 1.75	\$ 1.75		\$ 1.75
	6.0000	Oh	Pekerja	\$ 7.00		\$ 42.00	\$ 42.00
	18.0000	Oh	Tukang Kayu	\$ 12.00		\$ 216.00	\$ 216.00



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2.0000	Oh	Kepala Tukang		\$ 13.00		\$ 26.00	\$ 26.00
0.3890	Oh	Mandor		\$ 14.00		\$ 5.45	\$ 5.45
	Jumlah harga per satuan pekerjaan				\$ 424.71	\$ 289.45	\$ 714.16
142	Membuat dan memasang 1 M ² pintu klamp standar, Kayu kelas II						
0.0400	M ³	Kayu papan kelas II		\$ 400.00	\$ 16.00		\$ 16.00
0.4750	Kg.	Paku 5-7 cm		\$ 1.92	\$ 0.91		\$ 0.91
0.5725	Oh	Pekerja		\$ 7.00		\$ 4.01	\$ 4.01
1.5508	Oh	Tukang Kayu		\$ 12.00		\$ 18.61	\$ 18.61
0.1551	Oh	Kepala Tukang		\$ 13.00		\$ 2.02	\$ 2.02
0.0956	Oh	Mandor		\$ 14.00		\$ 1.34	\$ 1.34
	Jumlah harga per satuan pekerjaan				\$ 16.91	\$ 25.97	\$ 42.88
143	Membuat dan memasang 1 M ² Pintu klamp sederhana, Kayu kelas III						
0.0400	M ³	Kayu papan kelas III		\$ 300.00	\$ 12.00		\$ 12.00
0.4750	Kg.	Paku 5-7 cm		\$ 1.92	\$ 0.91		\$ 0.91
0.5725	Oh	Pekerja		\$ 7.00		\$ 4.01	\$ 4.01
1.5508	Oh	Tukang Kayu		\$ 12.00		\$ 18.61	\$ 18.61
0.1551	Oh	Kepala Tukang		\$ 13.00		\$ 2.02	\$ 2.02
0.0956	Oh	Mandor		\$ 14.00		\$ 1.34	\$ 1.34
	Jumlah harga per satuan pekerjaan				\$ 12.91	\$ 25.97	\$ 38.88
144	Membuat dan memasang 1 M ² daun pintu panel, Kayu kelas I/II						
0.0400	M ³	Kayu papan kelas I		\$ 697.00	\$ 27.88		\$ 27.88
0.5000	Kg.	Lem kayu		\$ 1.75	\$ 0.88		\$ 0.88
1.0000	Oh	Pekerja		\$ 7.00		\$ 7.00	\$ 7.00
2.5543	Oh	Tukang Kayu		\$ 12.00		\$ 30.65	\$ 30.65
0.2556	Oh	Kepala Tukang		\$ 13.00		\$ 3.32	\$ 3.32
0.0500	Oh	Mandor		\$ 14.00		\$ 0.70	\$ 0.70
	Jumlah harga per satuan pekerjaan				\$ 28.76	\$ 41.67	\$ 70.43
145	Membuat dan memasang 1 M ² pintu dan jendela ikaca, Kayu kelas I/II						
0.0240	M ³	Kayu papan kelas I		\$ 697.00	\$ 16.73		\$ 16.73
0.1593	Kg.	Lem kayu		\$ 1.75	\$ 0.28		\$ 0.28
0.8000	Oh	Pekerja		\$ 7.00		\$ 5.60	\$ 5.60
2.1006	Oh	Tukang Kayu		\$ 12.00		\$ 25.21	\$ 25.21
0.2043	Oh	Kepala Tukang		\$ 13.00		\$ 2.66	\$ 2.66
0.0400	Oh	Mandor		\$ 14.00		\$ 0.56	\$ 0.56
	Jumlah harga per satuan pekerjaan				\$ 17.01	\$ 34.02	\$ 51.03
146	Membuat dan memasang 1 M ² pintu dan jendela jalusi, Kayu kelas I/II						
0.0385	M ³	Kayu papan kelas I		\$ 697.00	\$ 26.83		\$ 26.83
0.5000	Kg.	Lem kayu		\$ 1.75	\$ 0.88		\$ 0.88
1.0000	Oh	Pekerja		\$ 7.00		\$ 7.00	\$ 7.00
3.0000	Oh	Tukang Kayu		\$ 12.00		\$ 36.00	\$ 36.00
0.3000	Oh	Kepala Tukang		\$ 13.00		\$ 3.90	\$ 3.90
0.0500	Oh	Mandor		\$ 14.00		\$ 0.70	\$ 0.70
	Jumlah harga per satuan pekerjaan				\$ 27.71	\$ 47.60	\$ 75.31
147	Membuat 1 M ² daun pintu plywood rangkap, rangka tertutup kayu kelas II						
0.0250	M ³	Kayu papan kelas II		\$ 400.00	\$ 10.00		\$ 10.00
0.0300	Kg.	Paku 1 - 2,5 cm		\$ 2.50	\$ 0.08		\$ 0.08
0.5000	Kg.	Lem kayu		\$ 1.75	\$ 0.88		\$ 0.88
1.0000	Lbr.	Plywood 4 mm		\$ 14.00	\$ 14.00		\$ 14.00
0.6359	Oh	Pekerja		\$ 7.00		\$ 4.45	\$ 4.45
2.0127	Oh	Tukang Kayu		\$ 12.00		\$ 24.15	\$ 24.15
0.2000	Oh	Kepala Tukang		\$ 13.00		\$ 2.60	\$ 2.60
0.0546	Oh	Mandor		\$ 14.00		\$ 0.76	\$ 0.76
	Jumlah harga per satuan pekerjaan				\$ 24.95	\$ 31.97	\$ 56.92
148	Membuat 1 M ² daun pintu plywood rangkap, rangka expose kayu kelas I/II						
0.0260	M ³	Kayu papan kelas I		\$ 697.00	\$ 18.12		\$ 18.12
0.0300	Kg.	Paku 1 - 2,5 cm		\$ 2.50	\$ 0.08		\$ 0.08
0.5000	Kg.	Lem kayu		\$ 1.75	\$ 0.88		\$ 0.88
1.0000	Lbr.	Plywood 4 mm		\$ 14.00	\$ 14.00		\$ 14.00
0.6651	Oh	Pekerja		\$ 7.00		\$ 4.66	\$ 4.66
2.1006	Oh	Tukang Kayu		\$ 12.00		\$ 25.21	\$ 25.21
0.2043	Oh	Kepala Tukang		\$ 13.00		\$ 2.66	\$ 2.66



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0.0560	Oh	Mandor		\$ 14.00		\$ 0.78	\$ 0.78
				Jumlah harga per satuan pekerjaan		\$ 33.07	\$ 33.30
149	Memasang 1 M ² jalusi kusen, kayu kelas I/II						
0.0600	M ³	Kayu papan kelas I		\$ 697.00	\$ 41.82		\$ 41.82
0.1500	Kg	Paku 1 - 2,5 cm		\$ 2.50	\$ 0.38		\$ 0.38
0.5743	Oh	Pekerja		\$ 7.00		\$ 4.02	\$ 4.02
2.0000	Oh	Tukang Kayu		\$ 12.00		\$ 24.00	\$ 24.00
0.2000	Oh	Kepala Tukang		\$ 13.00		\$ 2.60	\$ 2.60
0.0764	Oh	Mandor		\$ 14.00		\$ 1.07	\$ 1.07
				Jumlah harga per satuan pekerjaan		\$ 42.20	\$ 31.69
150	Memasang 1 M ² teakwood rangkap, rangka expose kayu klas I						
0.0217	M3	Kayu papan kelas I		\$ 697.00	\$ 15.12		\$ 15.12
0.0300	Kg	Paku 1 - 2,5 cm		\$ 2.50	\$ 0.08		\$ 0.08
0.3000	Kg	Lem kayu		\$ 1.75	\$ 0.53		\$ 0.53
1.0000	Lbr	Teakwood 4 mm		\$ 6.00	\$ 6.00		\$ 6.00
0.6366	Oh	Pekerja		\$ 7.00		\$ 4.46	\$ 4.46
2.0434	Oh	Tukang Kayu		\$ 12.00		\$ 24.52	\$ 24.52
0.2043	Oh	Kepala Tukang		\$ 13.00		\$ 2.66	\$ 2.66
0.0560	Oh	Mandor		\$ 14.00		\$ 0.78	\$ 0.78
				Jumlah harga per satuan pekerjaan		\$ 21.72	\$ 32.42
151	Memasang 1 M ³ Konstruksi kuda-kuda konvensional, kayu klas I, II dan III						
1.1000	M ³	Kayu papan kelas I		\$ 697.00	\$ 766.70		\$ 766.70
15.0000	Kg	Besi Strip		\$ 1.00	\$ 15.00		\$ 15.00
3.4460	Kg	Paku 12cm		\$ 1.92	\$ 6.60		\$ 6.60
4.4054	Oh	Pekerja		\$ 7.00		\$ 30.84	\$ 30.84
10.1540	Oh	Tukang Kayu		\$ 12.00		\$ 121.85	\$ 121.85
1.0154	Oh	Kepala Tukang		\$ 13.00		\$ 13.20	\$ 13.20
0.2000	Oh	Mandor		\$ 14.00		\$ 2.80	\$ 2.80
				Jumlah harga per satuan pekerjaan		\$ 788.30	\$ 166.69
152	Memasang 1 M ³ Konstruksi kuda-kuda expose, kayu klas I						
1.1150	M ³	Balok kayu klas I		\$ 500.00	\$ 557.50		\$ 557.50
15.0000	Kg	Besi Strip		\$ 1.00	\$ 15.00		\$ 15.00
2.4260	Kg	Paku 12cm		\$ 1.92	\$ 4.65		\$ 4.65
4.7508	Oh	Pekerja		\$ 7.00		\$ 33.26	\$ 33.26
20.1000	Oh	Tukang Kayu		\$ 12.00		\$ 241.20	\$ 241.20
2.0100	Oh	Kepala Tukang		\$ 13.00		\$ 26.13	\$ 26.13
0.2375	Oh	Mandor		\$ 14.00		\$ 3.33	\$ 3.33
				Jumlah harga per satuan pekerjaan		\$ 577.15	\$ 303.91
153	Memasang 1 M ³ Konstruksi gording,kayu klas II						
1.1000	M ³	Balok kayu klas II		\$ 380.00	\$ 418.00		\$ 418.00
15.0000	Kg	Besi Strip		\$ 1.00	\$ 15.00		\$ 15.00
3.0000	Kg	Paku 12cm		\$ 1.92	\$ 5.75		\$ 5.75
2.4000	Oh	Pekerja		\$ 7.00		\$ 16.80	\$ 16.80
7.2000	Oh	Tukang Kayu		\$ 12.00		\$ 86.40	\$ 86.40
0.7200	Oh	Kepala Tukang		\$ 13.00		\$ 9.36	\$ 9.36
0.1200	Oh	Mandor		\$ 14.00		\$ 1.68	\$ 1.68
				Jumlah harga per satuan pekerjaan		\$ 438.75	\$ 114.24
154	Memasang 1 M ² rangka atap genteng keramik, kayu kelas II						
0.0140	M ³	Kaso-kaso (5x7)cm		\$ 393.00	\$ 5.50		\$ 5.50
0.0038	m3	Reng (2x3)cm		\$ 393.00	\$ 1.49		\$ 1.49
0.2500	Kg	Paku 5 - 10 cm		\$ 1.92	\$ 0.48		\$ 0.48
0.1000	Oh	Pekerja		\$ 7.00		\$ 0.70	\$ 0.70
0.1000	Oh	Tukang Kayu		\$ 12.00		\$ 1.20	\$ 1.20
0.0100	Oh	Kepala Tukang		\$ 13.00		\$ 0.13	\$ 0.13
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
				Jumlah harga per satuan pekerjaan		\$ 7.47	\$ 2.10
155	Memasang 1 M ² rangka atap genteng beton, kayu kelas II						
0.0140	M ³	Kaso-kaso (5x7)cm		\$ 393.00	\$ 5.50		\$ 5.50
0.0070	M ³	Reng (3x4)cm		\$ 393.00	\$ 2.75		\$ 2.75
0.2500	Kg	Paku 5 - 10 cm		\$ 1.92	\$ 0.48		\$ 0.48
0.1000	Oh	Pekerja		\$ 7.00		\$ 0.70	\$ 0.70
0.1000	Oh	Tukang Kayu		\$ 12.00		\$ 1.20	\$ 1.20



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0.0100	Oh	Kepala Tukang		\$ 13.00		\$ 0.13	\$ 0.13
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
				Jumlah harga per satuan pekerjaan	\$ 8.73	\$ 2.10	\$ 10.83
156	Memasang 1 M ² rangka atap sirap, kayu kelas II						
0.1690	M ²	Balok kayu lidas II		\$ 380.00	\$ 64.22		\$ 64.22
0.2050	Kg.	Paku 5 - 10 cm		\$ 1.92	\$ 0.39		\$ 0.39
0.1230	Oh	Pekerja		\$ 7.00		\$ 0.86	\$ 0.86
0.1230	Oh	Tukang Kayu		\$ 12.00		\$ 1.48	\$ 1.48
0.0123	Oh	Kepala Tukang		\$ 13.00		\$ 0.16	\$ 0.16
0.0060	Oh	Mandor		\$ 14.00		\$ 0.08	\$ 0.08
				Jumlah harga per satuan pekerjaan	\$ 64.61	\$ 2.58	\$ 67.19
PEKERJAAN LANGIT-LANGIT/PLAFON							
157	Memasang 1 M ² Langit-langit Gypsum Board, tebal 9 mm						
0.3640	Lbr	Gypsum board 9mm		\$ 7.91	\$ 2.88		\$ 2.88
0.1100	kg	Paku Skrup		\$ 3.00	\$ 0.33		\$ 0.33
0.0720	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.1250	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.2280	Oh	Pekerja		\$ 7.00		\$ 1.60	\$ 1.60
0.4158	Oh	Tukang kayu		\$ 12.00		\$ 4.99	\$ 4.99
0.0416	Oh	Kepala tukang		\$ 13.00		\$ 0.54	\$ 0.54
0.0140	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ 4.47	\$ 7.32	\$ 11.79
158	Memasang 1 M ² Langit-langit Gypsum Board, tebal 6 mm						
0.3640	Lbr	Gypsum board 6mm		\$ 6.80	\$ 2.48		\$ 2.48
0.1100	kg	Paku Skrup		\$ 3.00	\$ 0.33		\$ 0.33
0.0720	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.1250	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.2280	Oh	Pekerja		\$ 7.00		\$ 1.60	\$ 1.60
0.4158	Oh	Tukang kayu		\$ 12.00		\$ 4.99	\$ 4.99
0.0416	Oh	Kepala tukang		\$ 13.00		\$ 0.54	\$ 0.54
0.0140	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ 4.07	\$ 7.32	\$ 11.39
159	Memasang 1 M ² Langit-langit calsiboard, tebal 9 mm						
0.3640	Lbr	Calsiboard 9 mm		\$ 17.00	\$ 6.19		\$ 6.19
0.1100	kg	Paku Skrup		\$ 3.00	\$ 0.33		\$ 0.33
0.0720	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.1250	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.2280	Oh	Pekerja		\$ 7.00		\$ 1.60	\$ 1.60
0.4158	Oh	Tultang kayu		\$ 12.00		\$ 4.99	\$ 4.99
0.0416	Oh	Kepala tukang		\$ 13.00		\$ 0.54	\$ 0.54
0.0140	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ 7.76	\$ 7.32	\$ 15.10
160	Memasang 1 M ² Langit-langit calsiboard, tebal 6 mm						
0.3640	Lbr	Calsiboard 6 mm		\$ 10.00	\$ 3.64		\$ 3.64
0.1100	kg	Paku Skrup		\$ 3.00	\$ 0.33		\$ 0.33
0.0720	Bh	Cotton plaster		\$ 1.50	\$ 0.11		\$ 0.11
0.1250	Zak	Compoun		\$ 9.25	\$ 1.16		\$ 1.16
0.2280	Oh	Pekerja		\$ 7.00		\$ 1.60	\$ 1.60
0.4158	Oh	Tuktang kayu		\$ 12.00		\$ 4.99	\$ 4.99
0.0416	Oh	Kepala tukang		\$ 13.00		\$ 0.54	\$ 0.54
0.0140	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ 5.23	\$ 7.32	\$ 12.56
161	Memasang 1 M ² rangka Langit-langit besi hollow 2/4 dan 4/4						
4.0000	m'	Besi Hollow ceiling batten 4/4 (4 m)					
2.0000	m'	Besi Hollow ceiling batten 2/4 (4 m)					
4.0000	bh	Ramset / dina bolt					
0.2280	Oh	Pekerja		\$ 7.00		\$ 1.60	\$ 1.60
0.4158	Oh	Tukang kayu		\$ 12.00		\$ 4.99	\$ 4.99
0.0416	Oh	Kepala tukang		\$ 13.00		\$ 0.54	\$ 0.54
0.0140	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
				Jumlah harga per satuan pekerjaan	\$ -	\$ 7.32	\$ 7.32
162	Memasang 1 M ² rangka Langit-langit besi hollow 4/4 dan 4/4						
6.0000	m'	Besi Hollow ceiling batten 4/4 (4 m)		\$ 0.75	\$ 4.50		\$ 4.50



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4.0000	bh	Ramset / dina bolt		\$ 0.30	\$ 1.20		\$ 1.20
0.2280	Oh	Pekerja		\$ 7.00		\$ 1.60	\$ 1.60
0.4158	Oh	Tukang kayu		\$ 12.00		\$ 4.99	\$ 4.99
0.0416	Oh	Kepala tukang		\$ 13.00		\$ 0.54	\$ 0.54
0.0140	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
			Jumlah harga per satuan pekerjaan	\$ 5.70	\$ 7.32		\$ 13.02
163	Memasang 1 M ² rangka langit-langit, (50x100) cm kayu kelas II/III						
0.0150	M ³	Kaso-kaso (5x7)cm		\$ 393.00	\$ 5.90		\$ 5.90
0.2000	Kg.	Paku 5 - 10 cm		\$ 1.92	\$ 0.38		\$ 0.38
0.1500	Oh	Pekerja		\$ 7.00		\$ 1.05	\$ 1.05
0.3000	Oh	Tukang Kayu		\$ 12.00		\$ 3.60	\$ 3.60
0.0300	Oh	Kepala Tukang		\$ 13.00		\$ 0.39	\$ 0.39
0.0150	Oh	Mandor		\$ 14.00		\$ 0.21	\$ 0.21
			Jumlah harga per satuan pekerjaan	\$ 6.28	\$ 5.25		\$ 11.53
164	Memasang 1 M ² rangka langit-langit, (60x60) cm kayu kelas II/III						
0.0163	M ³	Kaso-kaso (5x7)cm		\$ 393.00	\$ 6.41		\$ 6.41
0.2543	Kg.	Paku 5 - 10 cm		\$ 1.92	\$ 0.49		\$ 0.49
0.2033	Oh	Pekerja		\$ 7.00		\$ 1.42	\$ 1.42
0.3050	Oh	Tukang Kayu		\$ 12.00		\$ 3.66	\$ 3.66
0.0305	Oh	Kepala Tukang		\$ 13.00		\$ 0.40	\$ 0.40
0.0152	Oh	Mandor		\$ 14.00		\$ 0.21	\$ 0.21
			Jumlah harga per satuan pekerjaan	\$ 6.89	\$ 5.69		\$ 12.59
165	Memasang 1M' lisplank ult. 3x20 cm, kayu kelas I/II						
0.0100	M ³	Kayu papan kelas I		\$ 697.00	\$ 6.97		\$ 6.97
0.0759	Kg.	Paku 5 - 10 cm		\$ 1.92	\$ 0.15		\$ 0.15
0.1194	Oh	Pekerja		\$ 7.00		\$ 0.84	\$ 0.84
0.2390	Oh	Tukang Kayu		\$ 12.00		\$ 2.87	\$ 2.87
0.0239	Oh	Kepala Tukang		\$ 13.00		\$ 0.31	\$ 0.31
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
			Jumlah harga per satuan pekerjaan	\$ 7.12	\$ 4.08		\$ 11.20
166	Memasang 1M' lisplank ult. 3x30 cm, kayu kelas I/II						
0.0110	M ³	Kayu papan kelas I		\$ 697.00	\$ 7.67		\$ 7.67
0.0759	Kg.	Paku 5 - 10 cm		\$ 1.92	\$ 0.15		\$ 0.15
0.1194	Oh	Pekerja		\$ 7.00		\$ 0.84	\$ 0.84
0.2390	Oh	Tukang Kayu		\$ 12.00		\$ 2.87	\$ 2.87
0.0239	Oh	Kepala Tukang		\$ 13.00		\$ 0.31	\$ 0.31
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
			Jumlah harga per satuan pekerjaan	\$ 7.81	\$ 4.08		\$ 11.90
167	Memasang 1 M ² langit-langit asbes semen 4/5/6mm						
1.1000	M ²	Plat asbes		#REF!	#REF!		#REF!
0.0100	Kg.	Paku ½" - 1"		\$ 2.50	\$ 0.03		\$ 0.03
0.0300	Oh	Pekerja		\$ 7.00		\$ 0.21	\$ 0.21
0.0700	Oh	Tukang kayu		\$ 12.00		\$ 0.84	\$ 0.84
0.0070	Oh	Kepala tukang		\$ 13.00		\$ 0.09	\$ 0.09
0.0400	Oh	Mandor		\$ 14.00		\$ 0.56	\$ 0.56
			Jumlah harga per satuan pekerjaan	#REF!	\$ 1.70		#REF!
168	Memasang 1 M ² langit-langit tripleks 4 mm						
0.3750	Lbr.	Tripleks 4mm		\$ 6.33	\$ 2.37		\$ 2.37
0.0300	Kg.	Paku ½" - 1"		\$ 2.50	\$ 0.08		\$ 0.08
0.1000	Oh	Pekerja		\$ 7.00		\$ 0.70	\$ 0.70
0.1000	Oh	Tukang kayu		\$ 12.00		\$ 1.20	\$ 1.20
0.0100	Oh	Kepala tukang		\$ 13.00		\$ 0.13	\$ 0.13
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
			Jumlah harga per satuan pekerjaan	\$ 2.45	\$ 2.10		\$ 4.55
169	Memasang 1 M ² langit-langit tripleks 6 mm						
0.3750	Lbr.	Tripleks 6mm		\$ 6.75	\$ 2.53		\$ 2.53
0.0300	Kg.	Paku ½" - 1"		\$ 2.50	\$ 0.08		\$ 0.08
0.1000	Oh	Pekerja		\$ 7.00		\$ 0.70	\$ 0.70
0.1000	Oh	Tukang kayu		\$ 12.00		\$ 1.20	\$ 1.20
0.0100	Oh	Kepala tukang		\$ 13.00		\$ 0.13	\$ 0.13
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
			Jumlah harga per satuan pekerjaan	\$ 2.61	\$ 2.10		\$ 4.71



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170	Memasang 1 M ² langit-langit tripleks 9 mm						
0.3750	Lbr.	Tripleks 9mm		\$ 11.13	\$ 4.17		\$ 4.17
0.0300	Kg.	Paku ½" - 1"		\$ 2.50	\$ 0.08		\$ 0.08
0.1000	Oh	Pekerja		\$ 7.00		\$ 0.70	\$ 0.70
0.1000	Oh	Tukang kayu		\$ 12.00		\$ 1.20	\$ 1.20
0.0100	Oh	Kepala tukang		\$ 13.00		\$ 0.13	\$ 0.13
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
			Jumlah harga per satuan pekerjaan	\$ 4.25	\$ 2.10		\$ 6.35
169	Memasang 1 M ² langit-langit lambrizing kayu 9cm						
0.0155	M ³	Kayu papan kelas I		\$ 697.00	\$ 10.80		\$ 10.80
0.0105	Kg.	Paku ½" - 1"		\$ 2.50	\$ 0.03		\$ 0.03
0.8200	Oh	Pekerja		\$ 7.00		\$ 5.74	\$ 5.74
0.8200	Oh	Tukang kayu		\$ 12.00		\$ 9.84	\$ 9.84
0.0820	Oh	Kepala tukang		\$ 13.00		\$ 1.07	\$ 1.07
0.0410	Oh	Mandor		\$ 14.00		\$ 0.57	\$ 0.57
			Jumlah harga per satuan pekerjaan	\$ 10.83	\$ 17.22		\$ 28.05
170	Memasang 1 M ² list langit-langit kayu profil						
1.0500	M'	List kayu profil		\$ 2.13	\$ 2.23		\$ 2.23
0.0329	Kg.	Paku list		\$ 2.00	\$ 0.07		\$ 0.07
0.0500	Oh	Pekerja		\$ 7.00		\$ 0.35	\$ 0.35
0.0500	Oh	Tukang kayu		\$ 12.00		\$ 0.60	\$ 0.60
0.0050	Oh	Kepala tukang		\$ 13.00		\$ 0.07	\$ 0.07
0.0030	Oh	Mandor		\$ 14.00		\$ 0.04	\$ 0.04
			Jumlah harga per satuan pekerjaan	\$ 2.30	\$ 1.06		\$ 3.35
171	Memasang 1 m ² Langit-langit Akustik Ukuran (60 x 120) cm						
1.5000	Lbr	Akustik		#REF!	#REF!		#REF!
0.0500	Kg.	Paku Tripleks		\$ 2.08	\$ 0.10		\$ 0.10
0.1100	Oh	Pekerja		\$ 7.00		\$ 0.77	\$ 0.77
0.1100	Oh	Tukang Kayu		\$ 12.00		\$ 1.32	\$ 1.32
0.0110	Oh	Kepala tukang		\$ 13.00		\$ 0.14	\$ 0.14
0.0055	Oh	Mandor		\$ 14.00		\$ 0.08	\$ 0.08
			Jumlah harga per satuan pekerjaan	#REF!	\$ 2.31		#REF!
172	Memasang 1 m ² Langit-langit Akustik Ukuran (30 x 60) cm						
5.8000	Lbr	Akustik		#REF!	#REF!		#REF!
0.0500	Kg.	Paku Tripleks		\$ 2.08	\$ 0.10		\$ 0.10
0.1100	Oh	Pekerja		\$ 7.00		\$ 0.77	\$ 0.77
0.1100	Oh	Tukang Kayu		\$ 12.00		\$ 1.32	\$ 1.32
0.0110	Oh	Kepala tukang		\$ 13.00		\$ 0.14	\$ 0.14
0.0055	Oh	Mandor		\$ 14.00		\$ 0.08	\$ 0.08
			Jumlah harga per satuan pekerjaan	#REF!	\$ 2.31		#REF!
173	Memasang 1 m ² Langit-langit Akustik Ukuran (30 x 30) cm						
12.0000	Lbr	Akustik		#REF!	#REF!		#REF!
0.0500	Kg.	Paku Tripleks		\$ 2.08	\$ 0.10		\$ 0.10
0.1318	Oh	Pekerja		\$ 7.00		\$ 0.92	\$ 0.92
0.1318	Oh	Tukang Kayu		\$ 12.00		\$ 1.58	\$ 1.58
0.0132	Oh	Kepala tukang		\$ 13.00		\$ 0.17	\$ 0.17
0.0065	Oh	Mandor		\$ 14.00		\$ 0.09	\$ 0.09
			Jumlah harga per satuan pekerjaan	#REF!	\$ 2.77		#REF!
174	Memasang 1 m ² Langit-langit Akustik Ukuran (60 x 120) cm + Rangka Alluminium						
3.6000	M	Profil Allumium "T"		#REF!	#REF!		#REF!
0.1500	Kg.	Kawat Ø 4 mm		#REF!	#REF!		#REF!
1.0500	Bh	Ramset		#REF!	#REF!		#REF!
1.5000	Lbr	Akustik		#REF!	#REF!		#REF!
0.5000	Oh	Pekerja		\$ 7.00		\$ 3.50	\$ 3.50
0.5000	Oh	Tukang Besi		\$ 12.00		\$ 6.00	\$ 6.00
0.0500	Oh	Kepala tukang		\$ 13.00		\$ 0.65	\$ 0.65
0.0250	Oh	Mandor		\$ 14.00		\$ 0.35	\$ 0.35
			Jumlah harga per satuan pekerjaan	#REF!	\$ 10.50		#REF!
175	Memasang 1 m' List Plafond Gypsum Profil						



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1.0500	M	List Plafond Gypsum		\$ 2.05	\$ 2.15		\$ 2.15
0.1325	Kg.	Tepung Gypsum		\$ 0.63	\$ 0.08		\$ 0.08
0.0600	Oh	Pekerja		\$ 7.00		\$ 0.42	\$ 0.42
0.0600	Oh	Tukang Kayu		\$ 12.00		\$ 0.72	\$ 0.72
0.0060	Oh	Kepala tukang		\$ 13.00		\$ 0.08	\$ 0.08
0.0030	Oh	Mandor		\$ 14.00		\$ 0.04	\$ 0.04
			Jumlah harga per satuan pekerjaan	\$ 2.23	\$ 1.26	\$ 3.49	
PEKERJAAN LANTAI							
176	1 M ² pasang lantai ubin pc abu-abu 20 x20 cm						
25.3588	Bh	Ubin abu-abu 20 x 20 cm		\$ 0.35	\$ 9.88		\$ 9.88
10.4000	Kg.	Semen portland		\$ 0.13	\$ 1.33		\$ 1.33
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
0.3467	Kg.	Semen Warna		\$ 0.31	\$ 0.11		\$ 0.11
0.3228	Oh	Pekerja		\$ 7.00		\$ 2.26	\$ 2.26
0.1966	Oh	Tukang batu		\$ 12.00		\$ 2.36	\$ 2.36
0.0197	Oh	Kepala tukang		\$ 13.00		\$ 0.26	\$ 0.26
0.0095	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
			Jumlah harga per satuan pekerjaan	\$ 11.32	\$ 5.01	\$ 16.32	
177	1 M ² pasang plint ubin pc abu-abu 15 x20 cm						
6.1554	Bh	Plint ubin		\$ 0.30	\$ 1.85		\$ 1.85
1.2724	Kg.	Semen portland		\$ 0.13	\$ 0.16		\$ 0.16
0.0033	M ³	Pasir pasang		\$ 22.35		\$ 0.07	\$ 0.07
0.0900	Oh	Pekerja		\$ 7.00		\$ 0.63	\$ 0.63
0.0900	Oh	Tukang batu		\$ 12.00		\$ 1.08	\$ 1.08
0.0090	Oh	Kepala tukang		\$ 13.00		\$ 0.12	\$ 0.12
0.0045	Oh	Mandor		\$ 14.00		\$ 0.06	\$ 0.06
			Jumlah harga per satuan pekerjaan	\$ 2.01	\$ 1.96	\$ 3.97	
178	1 M ² Pasang lantai kayu						
1.1177	M ²	Lantai kayu (gym floor)		\$ 50.00	\$ 55.89		\$ 55.89
0.6100	Kg.	Lem Lantai Kayu		\$ 12.50	\$ 7.63		\$ 7.63
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3560	Oh	Tukang kayu		\$ 12.00		\$ 4.27	\$ 4.27
0.0407	Oh	Kepala tukang		\$ 13.00		\$ 0.53	\$ 0.53
0.0203	Oh	Mandor		\$ 14.00		\$ 0.28	\$ 0.28
			Jumlah harga per satuan pekerjaan	\$ 63.51	\$ 9.99	\$ 73.50	
179	1 M ² Pasang lantai karpet						
1.0500	M ²	Karpet		\$ 24.00	\$ 25.20		\$ 25.20
0.3500	Kg.	Lem karpet		\$ 6.25	\$ 2.19		\$ 2.19
0.1710	Oh	Pekerja		\$ 7.00		\$ 1.20	\$ 1.20
0.1270	Oh	Tukang Kayu		\$ 12.00		\$ 1.52	\$ 1.52
0.0127	Oh	Kepala tukang		\$ 13.00		\$ 0.17	\$ 0.17
0.0091	Oh	Mandor		\$ 14.00		\$ 0.13	\$ 0.13
			Jumlah harga per satuan pekerjaan	\$ 27.39	\$ 3.01	\$ 30.40	
180	1 M ² Pasang batu koral sikit campuran 1 : 2 (tebal 20 mm)						
10.0000	Kg.	Batu koral sikit		\$ 4.00	\$ 40.00		\$ 40.00
3.8950	Kg.	Semen portland		\$ 0.13	\$ 0.50		\$ 0.50
0.0665	M ³	Pasir pasang		\$ 22.35	\$ 1.49		\$ 1.49
0.5125	Oh	Pekerja		\$ 7.00		\$ 3.59	\$ 3.59
0.2050	Oh	Tukang batu		\$ 12.00		\$ 2.46	\$ 2.46
0.0205	Oh	Kepala tukang		\$ 13.00		\$ 0.27	\$ 0.27
0.0102	Oh	Mandor		\$ 14.00		\$ 0.14	\$ 0.14
			Jumlah harga per satuan pekerjaan	\$ 41.98	\$ 6.46	\$ 48.44	
181	Memasang 1 m plint kayu kelas II ukuran (2 x 10) cm						
0.0023	M ³	Kayu papan kelas II		\$ 400.00	\$ 0.92		\$ 0.92
0.0500	Kg.	Paku skrup		\$ 3.00	\$ 0.15		\$ 0.15
0.1200	Oh	Pekerja		\$ 7.00		\$ 0.84	\$ 0.84
0.1200	Oh	Tukang batu		\$ 12.00		\$ 1.44	\$ 1.44
0.0120	Oh	Kepala tukang		\$ 13.00		\$ 0.16	\$ 0.16
0.0060	Oh	Mandor		\$ 14.00		\$ 0.08	\$ 0.08
			Jumlah harga per satuan pekerjaan	\$ 1.07	\$ 2.52	\$ 3.59	
182	Memasang 1 m ² lantai keramik ukuran 30 x 30 cm						
11.8700	Bh	Keramik 30 x 30		\$ 0.77	\$ 9.17		\$ 9.17



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8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
0.9400	Kg.	Semen warna		\$ 0.31	\$ 0.29		\$ 0.29
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				\$ 11.49	\$ 9.80	\$ 21.29	
183	Memasang 1 m ² lantai keramik ukuran 40 x 40 cm						
6.6250	Bh	Keramik 40 x 40		\$ 1.50	\$ 9.94		\$ 9.94
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
0.9400	Kg.	Semen warna		\$ 0.31	\$ 0.29		\$ 0.29
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				\$ 12.26	\$ 9.80	\$ 22.06	
184	Memasang 1 m ² lantai keramik ukuran 60 x 60 cm						
3.0000	Bh	Keramik 60 x 60		\$ 4.00	\$ 12.00		\$ 12.00
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.1550	M ³	Pasir pasang		\$ 22.35	\$ 3.46		\$ 3.46
1.5000	Kg.	Semen warna		\$ 0.31	\$ 0.47		\$ 0.47
0.7150	Oh	Pekerja		\$ 7.00		\$ 5.01	\$ 5.01
0.3600	Oh	Tukang batu		\$ 12.00		\$ 4.32	\$ 4.32
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				\$ 16.95	\$ 10.03	\$ 26.98	
185	Memasang 1 m ² lantai keramik ukuran 30 x 60 cm						
5.8333	Bh	Keramik 30 x 60		\$ 3.20	\$ 18.67		\$ 18.67
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
0.9321	Kg.	Semen warna		\$ 0.31	\$ 0.29		\$ 0.29
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				\$ 20.98	\$ 9.80	\$ 30.78	
186	Memasang 1 m ² Lantai keramik Ukuran (20 x 20) cm						
26.5000	Bh	Keramik 20 x 20		\$ 0.32	\$ 8.48		\$ 8.48
10.4000	Kg.	Semen portland		\$ 0.13	\$ 1.33		\$ 1.33
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
1.6200	Kg.	Semen warna		\$ 0.31	\$ 0.51		\$ 0.51
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				\$ 11.32	\$ 9.80	\$ 21.12	
187	Memasang 1 m ² Lantai keramik Ukuran (20 x 30) cm						
21.2000	Bh	Keramik 20 x 20		\$ 0.40	\$ 8.48		\$ 8.48
10.4000	Kg.	Semen portland		\$ 0.13	\$ 1.33		\$ 1.33
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
1.6200	Kg.	Semen warna		\$ 0.31	\$ 0.51		\$ 0.51
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				\$ 11.32	\$ 9.80	\$ 21.12	
188	Memasang 1 m ² Lantai Granit ukuran (40 x 40) cm						



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6.2500	Bh	Granit 40 x 40 cm		\$ 1.54	\$ 9.63		\$ 9.63
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
0.9400	Kg.	Semen warna		\$ 0.31	\$ 0.29		\$ 0.29
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				\$ 11.94	\$ 9.80	\$ 21.74	
189	Memasang 1 m ² Lantai Marmer Ukuran (60 x 60) cm						
3.0000	Bh	marmer 60 x 60		#REF!	#REF!		#REF!
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
0.9321	Kg.	Semen warna		\$ 0.31	\$ 0.29		\$ 0.29
0.4986	Oh	Pekerja		\$ 7.00		\$ 3.49	\$ 3.49
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				#REF!	\$ 8.39	#REF!	
190	Memasang 1 m ² Lantai Marmer (100 x 100) cm						
1.0600	Bh	Marmer 100 x 100		#REF!	#REF!		#REF!
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
0.6500	Kg.	Semen warna		\$ 0.31	\$ 0.20		\$ 0.20
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				#REF!	\$ 9.80	#REF!	
191	Memasang 1 m ² Plint Keramik (10 x 40) cm						
2.5750	Bh	Keramik 10 x 40		\$ 0.43	\$ 1.10		\$ 1.10
1.2724	Kg.	Semen portland		\$ 0.13	\$ 0.16		\$ 0.16
0.0033	M ³	Pasir pasang		\$ 22.35	\$ 0.07		\$ 0.07
0.1000	Kg.	Semen warna		\$ 0.31	\$ 0.03		\$ 0.03
0.0900	Oh	Pekerja		\$ 7.00		\$ 0.63	\$ 0.63
0.0900	Oh	Tukang batu		\$ 12.00		\$ 1.08	\$ 1.08
0.0090	Oh	Kepala tukang		\$ 13.00		\$ 0.12	\$ 0.12
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
Jumlah harga per satuan pekerjaan				\$ 1.37	\$ 1.90	\$ 3.27	
192	Memasang 1 m ² Plint Keramik (10 x 30) cm						
3.5000	Bh	Keramik 10 x 30		\$ 0.31	\$ 1.08		\$ 1.08
1.2724	Kg.	Semen portland		\$ 0.13	\$ 0.16		\$ 0.16
0.0033	M ³	Pasir pasang		\$ 22.35	\$ 0.07		\$ 0.07
0.1000	Kg.	Semen warna		\$ 0.31	\$ 0.03		\$ 0.03
0.0900	Oh	Pekerja		\$ 7.00		\$ 0.63	\$ 0.63
0.0900	Oh	Tukang batu		\$ 12.00		\$ 1.08	\$ 1.08
0.0090	Oh	Kepala tukang		\$ 13.00		\$ 0.12	\$ 0.12
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
Jumlah harga per satuan pekerjaan				\$ 1.35	\$ 1.90	\$ 3.25	
193	Memasang 1 m ² Plint Keramik (10 x 20) cm						
5.2100	Bh	Keramik 10 x 20					
1.2724	Kg.	Semen portland					
0.0033	M ³	Pasir pasang					
0.1000	Kg.	Semen warna					
0.0900	Oh	Pekerja		\$ 7.00		\$ 0.63	\$ 0.63
0.0900	Oh	Tukang batu		\$ 12.00		\$ 1.08	\$ 1.08
0.0090	Oh	Kepala tukang		\$ 13.00		\$ 0.12	\$ 0.12
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
Jumlah harga per satuan pekerjaan				\$ -	\$ 1.90	\$ 1.90	
194	Memasang 1 m ² Plint Keramik (5 x 20) cm						
5.3000	Bh	Keramik 5 x 20		\$ 1.00	\$ 5.30		\$ 5.30
0.5700	Kg.	Semen portland		\$ 0.13	\$ 0.07		\$ 0.07



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0.0015	M ³	Pasir pasang		\$ 22.35	\$ 0.03		\$ 0.03
0.0130	Kg.	Semen warna		\$ 0.31	\$ 0.00		\$ 0.00
0.0900	Oh	Pekerja		\$ 7.00		\$ 0.63	\$ 0.63
0.0900	Oh	Tukang batu		\$ 12.00		\$ 1.08	\$ 1.08
0.0090	Oh	Kepala tukang		\$ 13.00		\$ 0.12	\$ 0.12
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
Jumlah harga per satuan pekerjaan				\$ 5.21	\$ 1.90	\$ 7.31	
195	Memasang 1 m' Plint Keramik (10 x 60)cm						
1.7000	Bh	Keramik 10 x 60		\$ 0.73	\$ 1.24		\$ 1.24
1.2724	Kg.	Semen portland		\$ 0.13	\$ 0.16		\$ 0.16
0.0033	M ³	Pasir pasang		\$ 22.35	\$ 0.07		\$ 0.07
0.1000	Kg.	Semen warna		\$ 0.31	\$ 0.03		\$ 0.03
0.0900	Oh	Pekerja		\$ 7.00		\$ 0.63	\$ 0.63
0.0900	Oh	Tukang batu		\$ 12.00		\$ 1.08	\$ 1.08
0.0090	Oh	Kepala tukang		\$ 13.00		\$ 0.12	\$ 0.12
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
Jumlah harga per satuan pekerjaan				\$ 1.50	\$ 1.90	\$ 3.40	
196	Memasang 1 m ² Lantai Mosaitk (30 x 30) Cm Campuran Spesi 1pc:3pp						
11.8700	Bh	Mosaitk 30 x 30		#REF!	#REF!		#REF!
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 0.07		\$ 0.07
0.9400	Kg.	Semen warna		\$ 0.31	\$ 0.29		\$ 0.29
0.4986	Oh	Pekerja		\$ 7.00		\$ 3.49	\$ 3.49
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				#REF!	\$ 6.36	#REF!	
197	Memasang 1 m' Plint Internal /Cove Arsitik ukuran (5 x 5 x 20) cm						
5.3000	Bh	Plint Internal /Cove Arsitik ukuran (5 x 5 x 20) cm		#REF!	#REF!		#REF!
1.2724	Kg.	Semen portland		\$ 0.13	\$ 0.16		\$ 0.16
0.0033	M ³	Pasir pasang		\$ 22.35	\$ 0.07		\$ 0.07
0.1000	Kg.	Semen warna		\$ 0.31	\$ 0.03		\$ 0.03
0.8250	Oh	Pekerja		\$ 7.00		\$ 5.78	\$ 5.78
0.8250	Oh	Tukang batu		\$ 12.00		\$ 9.90	\$ 9.90
0.0825	Oh	Kepala tukang		\$ 13.00		\$ 1.07	\$ 1.07
0.0412	Oh	Mandor		\$ 14.00		\$ 0.58	\$ 0.58
Jumlah harga per satuan pekerjaan				#REF!	\$ 17.32	#REF!	
198	Memasang 1 m ² Lantai Vinyl Ulturan (30 x 30) cm						
11.8700	Bh	Vinyl		\$ 0.65	\$ 7.72		\$ 7.72
0.3500	Kg.	Lem Vinyl		\$ 6.00	\$ 2.10		\$ 2.10
0.1650	Oh	Pekerja		\$ 7.00		\$ 1.16	\$ 1.16
0.1650	Oh	Tukang		\$ 12.00		\$ 1.98	\$ 1.98
0.0165	Oh	Kepala tukang		\$ 13.00		\$ 0.21	\$ 0.21
0.0080	Oh	Mandor		\$ 14.00		\$ 0.11	\$ 0.11
Jumlah harga per satuan pekerjaan				\$ 9.82	\$ 3.46	\$ 13.28	
199	Memasang 1 m ² Lantai Vinyl Karet Ulturan (15 x 30) cm						
1.7600	Bh	Vinyl Karet		#REF!	#REF!		#REF!
0.0800	Kg.	Lem Vinyl		\$ 6.00	\$ 0.48		\$ 0.48
0.0880	Oh	Pekerja		\$ 7.00		\$ 0.62	\$ 0.62
0.0880	Oh	Tukang		\$ 12.00		\$ 1.06	\$ 1.06
0.0088	Oh	Kepala tukang		\$ 13.00		\$ 0.11	\$ 0.11
0.0044	Oh	Mandor		\$ 14.00		\$ 0.06	\$ 0.06
Jumlah harga per satuan pekerjaan				#REF!	\$ 1.85	#REF!	
200	Memasang 1 m ² Floor Hardener						
5.0000	Kg.	Floor Hardener		\$ 2.00	\$ 10.00		\$ 10.00
0.1320	Oh	Pekerja		\$ 7.00		\$ 0.92	\$ 0.92
0.1320	Oh	Tukang		\$ 12.00		\$ 1.58	\$ 1.58
0.0441	Oh	Kepala tukang		\$ 13.00		\$ 0.57	\$ 0.57
0.0220	Oh	Mandor		\$ 14.00		\$ 0.31	\$ 0.31
0.0750	%	Alat = 7.5% dari total material		\$ 10.00		\$ 0.75	\$ 0.75
Jumlah harga per satuan pekerjaan				\$ 10.00	\$ 3.39	\$ 14.14	
PEKERJAAN BESI & ALLUMINUM							



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				SATUAN	BAHAN	UPAH	JUMLAH
201	Memasang 10 kg besi wiremesh						
	10.0200	Kg	Wiremesh	\$ 1.22	\$ 12.21		\$ 12.21
	0.0500	Kg	Kawat Beton	\$ 2.00	\$ 0.10		\$ 0.10
	0.0025	Oh	Pekerja	\$ 7.00		\$ 0.02	\$ 0.02
	0.0025	Oh	Tukang besi	\$ 12.00		\$ 0.03	\$ 0.03
	0.0025	Oh	Kepala Tukang	\$ 13.00		\$ 0.03	\$ 0.03
	0.0010	Oh	Mandor	\$ 14.00		\$ 0.01	\$ 0.01
	Jumlah harga per satuan pekerjaan			\$ 12.31	\$ 0.09		\$ 12.40
	Memasang 1 kg besi wiremesh						\$ 1.24
202	Memasang 1 kg besi profil						
	1.1000	Kg	Besi profil	\$ 2.30	\$ 2.53		\$ 2.53
	0.0710	kg	Cat meni besi	\$ 4.50	\$ 0.32		\$ 0.32
	0.0600	Oh	Pekerja	\$ 7.00		\$ 0.42	\$ 0.42
	0.0600	Oh	Tukang besi	\$ 12.00		\$ 0.72	\$ 0.72
	0.0060	Oh	Kepala tukang	\$ 13.00		\$ 0.08	\$ 0.08
	0.0023	Oh	Mandor	\$ 14.00		\$ 0.03	\$ 0.03
	Jumlah harga per satuan pekerjaan			\$ 2.85	\$ 1.25		\$ 4.10
203	Membuat 1 m ² Pintu Besi plat Baja tebal 2mm rangkap rangka Baja Siku						
	15.0000	Kg	Profil besi siku	\$ 1.28	\$ 19.25		\$ 19.25
	32.8000	Kg	besi plat 2 mm	#REF!	#REF!		#REF!
	0.0300	Kg	Kawat Las	\$ 4.05	\$ 0.12		\$ 0.12
	1.0775	Oh	Pekerja	\$ 7.00		\$ 7.54	\$ 7.54
	1.0775	Oh	Tukang Las	\$ 12.00		\$ 12.93	\$ 12.93
	0.1600	Oh	Kepala tukang	\$ 13.00		\$ 2.08	\$ 2.08
	0.0600	Oh	Mandor	\$ 14.00		\$ 0.84	\$ 0.84
	Jumlah harga per satuan pekerjaan			#REF!	\$ 23.39		#REF!
204	Membuat 1 m ² Railling Stair dari Besi Hollow 50 X 50 dan 10 X 20						
	0.9698	Btg	Besi SHS =50 X 50 X 1,5 MM	\$ 14.68	\$ 14.24		\$ 14.24
	0.9052	Btg	Besi Hollow (10 x 20 x 1)	\$ 4.10	\$ 3.71		\$ 3.71
	0.0300	Kg	Kawat Las	\$ 4.05	\$ 0.12		\$ 0.12
	1.0775	Oh	Tukang Las	\$ 12.00		\$ 12.93	\$ 12.93
	0.1600	Oh	Kepala tukang	\$ 13.00		\$ 2.08	\$ 2.08
	0.0600	Oh	Mandor	\$ 14.00		\$ 0.84	\$ 0.84
	Jumlah harga per satuan pekerjaan			\$ 18.07	\$ 15.85		\$ 33.92
204	Mengerjakan 10 cm Pengelasan dengan Las listrik						
	0.4000	Kg	Kawat Las	\$ 4.05	\$ 1.62		\$ 1.62
	0.3000	Ltr	Solar	\$ 0.80	\$ 0.24		\$ 0.24
	0.0400	Ltr	Minyak Pelumas	\$ 3.00	\$ 0.12		\$ 0.12
	0.0400	Oh	Pekerja	\$ 7.00		\$ 0.28	\$ 0.28
	0.0200	Oh	Tukang Besi	\$ 12.00		\$ 0.24	\$ 0.24
	0.0020	Oh	Kepala tukang	\$ 13.00		\$ 0.03	\$ 0.03
	0.0020	Oh	Mandor	\$ 14.00		\$ 0.03	\$ 0.03
	0.1700	Jam	Sewa Alat	\$ 3.00		\$ 0.51	\$ 0.51
	Jumlah harga per satuan pekerjaan			\$ 1.98	\$ 1.08		\$ 3.06
205	Membuat 1 m ² Rangka Jendela Besi Scuare Tube (25 x 5) cm						
	4.7600	M	Besi Scuare Tube	#REF!	#REF!		#REF!
	4.5200	M	Besi Lis Kaca 1 x 1 cm	#REF!	#REF!		#REF!
	20.0000	Cm	Pengelasan	#REF!	#REF!		#REF!
	0.6825	Oh	Pekerja	\$ 7.00		\$ 4.78	\$ 4.78
	0.6825	Oh	Tukang Las Biasa	\$ 12.00		\$ 8.19	\$ 8.19
	0.0683	Oh	Kepala tukang	\$ 13.00		\$ 0.89	\$ 0.89
	0.0339	Oh	Mandor	\$ 14.00		\$ 0.47	\$ 0.47
	Jumlah harga per satuan pekerjaan			#REF!	\$ 14.33		#REF!
206	Memasang 1 m ² Pintu Rolling Door Besi						
	1.0000	M2	Roll Door Besi 0.4 mm	\$ 31.48	\$ 31.48		\$ 31.48
	1.2600	Oh	Pekerja	\$ 7.00		\$ 8.82	\$ 8.82
	1.2600	Oh	Tukang Las Biasa	\$ 12.00		\$ 15.12	\$ 15.12
	0.1260	Oh	Kepala tukang	\$ 13.00		\$ 1.64	\$ 1.64
	0.0063	Oh	Mandor	\$ 14.00		\$ 0.09	\$ 0.09
	Jumlah harga per satuan pekerjaan			\$ 31.48	\$ 25.67		\$ 57.15
207	Memasang 1 m ² Pintu Lipat (Folding Door)						



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				SATUAN	BAHAN	UPAH	JUMLAH
1.0000	M2	Pintu Lipat PVC (Folding Door)		#REF!	#REF!		#REF!
0.4620	Oh	Pekerja		\$ 7.00		\$ 3.23	\$ 3.23
0.4620	Oh	Tukang		\$ 12.00		\$ 5.54	\$ 5.54
0.0462	Oh	Kepala tukang		\$ 13.00		\$ 0.60	\$ 0.60
0.0231	Oh	Mandor		\$ 14.00		\$ 0.32	\$ 0.32
Jumlah harga per satuan pekerjaan				#REF!	\$ 9.70		#REF!
208	Memasang 1 m² Sunscreen Alluminium						
1.0000	M2	Sunscreen Alluminium		#REF!	#REF!		#REF!
0.0840	Oh	Pekerja		\$ 7.00		\$ 0.59	\$ 0.59
0.8400	Oh	Tukang		\$ 12.00		\$ 10.08	\$ 10.08
0.0840	Oh	Kepala tukang		\$ 13.00		\$ 1.09	\$ 1.09
0.0420	Oh	Mandor		\$ 14.00		\$ 0.59	\$ 0.59
Jumlah harga per satuan pekerjaan				#REF!	\$ 12.35		#REF!
209	Memasang 1 m² Rolling Door Alluminium						
1.0000	M2	Rolling Door Alluminium		\$ 58.01	\$ 58.01		\$ 58.01
1.0000	Oh	Pekerja		\$ 7.00		\$ 7.00	\$ 7.00
1.0000	Oh	Tukang Khusus Aluminium		\$ 12.00		\$ 12.00	\$ 12.00
0.1000	Oh	Kepala tukang		\$ 13.00		\$ 1.30	\$ 1.30
0.0500	Oh	Mandor		\$ 14.00		\$ 0.70	\$ 0.70
Jumlah harga per satuan pekerjaan				\$ 58.01	\$ 21.00		\$ 79.01
210	Memasang 1 m² Pintu Alluminium Strip Lebar 8 Cm						
4.4000	M	Profil Alluminium		#REF!	#REF!		#REF!
14.6000	M	Alluminium Strip		#REF!	#REF!		#REF!
0.0850	Oh	Pekerja		\$ 7.00		\$ 0.60	\$ 0.60
0.0850	Oh	Tukang Khusus Aluminium		\$ 12.00		\$ 1.02	\$ 1.02
0.0085	Oh	Kepala tukang		\$ 13.00		\$ 0.11	\$ 0.11
0.0042	Oh	Mandor		\$ 14.00		\$ 0.06	\$ 0.06
Jumlah harga per satuan pekerjaan				#REF!	\$ 1.78		#REF!
211	Memasang 1 M' Kusen pintu Alluminium						
1.1000	M	Profil Alluminium		#REF!	#REF!		#REF!
2.0000	Bh	Slrups Fixer		#REF!	#REF!		#REF!
0.0600	Tube	Sealant		\$ 11.76	\$ 0.71		\$ 0.71
0.0430	Oh	Pekerja		\$ 7.00		\$ 0.30	\$ 0.30
0.0430	Oh	Tukang Khusus Aluminium		\$ 12.00		\$ 0.52	\$ 0.52
0.0043	Oh	Kepala tukang		\$ 13.00		\$ 0.06	\$ 0.06
0.0022	Oh	Mandor		\$ 14.00		\$ 0.03	\$ 0.03
Jumlah harga per satuan pekerjaan				#REF!	\$ 0.90		#REF!
212	Memasang 1 M² Pintu Kaca Rangka Alluminium						
4.4000	M	Pintu Alluminium		#REF!	#REF!		#REF!
4.5000	M	Profil Kaca		#REF!	#REF!		#REF!
0.2700	Tube	Sealant		\$ 11.76	\$ 3.18		\$ 3.18
0.0850	Oh	Pekerja		\$ 7.00		\$ 0.60	\$ 0.60
0.0850	Oh	Tukang Alluminium/Kaca		\$ 12.00		\$ 1.02	\$ 1.02
0.0090	Oh	Kepala tukang		\$ 13.00		\$ 0.12	\$ 0.12
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
Jumlah harga per satuan pekerjaan				#REF!	\$ 1.80		#REF!
213	Memasang 1 M² Venetions Blind dan Vertical Blinds						
1.0000	M2	Venetions Blind dan Vertical Blinds		#REF!	#REF!		#REF!
0.3500	Oh	Pekerja		\$ 7.00		\$ 2.45	\$ 2.45
0.3500	Oh	Tukang		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0180	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
Jumlah harga per satuan pekerjaan				#REF!	\$ 7.36		#REF!
214	Memasang 1 M² terali Besi Strip 2x3 mm						
6.1770	Kg.	Besi Strip		\$ 1.00	\$ 6.18		\$ 6.18
27.0800	Cm	Pengelasan		\$ 0.31	\$ 8.29		\$ 8.29
1.6700	Oh	Pekerja		\$ 7.00		\$ 11.69	\$ 11.69
1.6700	Oh	Tukang Las		\$ 12.00		\$ 20.04	\$ 20.04
0.1670	Oh	Kepala tukang		\$ 13.00		\$ 2.17	\$ 2.17
0.0830	Oh	Mandor		\$ 14.00		\$ 1.16	\$ 1.16
Jumlah harga per satuan pekerjaan				\$ 14.46	\$ 35.06		\$ 49.53



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				SATUAN	BAHAN	UPAH	JUMLAH
215	Memasang 1 M ² Kawat Nyamuk						
1.1000	M2	Kawat Nyamuk		\$ 0.68	\$ 0.75		\$ 0.75
11.1100	Cm	Pengelasan		\$ 0.31	\$ 3.40		\$ 3.40
1.7160	Kg	Baja Strip (0.2 x 2) Cm		#REF!	#REF!		#REF!
0.1000	Oh	Pekerja		\$ 7.00		\$ 0.70	\$ 0.70
0.1000	Oh	Tukang		\$ 12.00		\$ 1.20	\$ 1.20
0.0100	Oh	Kepala tukang		\$ 13.00		\$ 0.13	\$ 0.13
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
			Jumlah harga per satuan pekerjaan	#REF!	\$ 2.10	#REF!	
216	Memasang 1 m ² jendela nako & tralis						
1.1000	M2	Rangka teralis + kaca 5 mm		\$ 63.64	\$ 70.00		\$ 70.00
10.0000	Bh	Paku slcrup 2 - 4 cm		\$ 0.05	\$ 0.50		\$ 0.50
7.0000	M'	Besi teralis nako		\$ 0.78	\$ 5.44		\$ 5.44
0.2000	Oh	Pekerja		\$ 7.00		\$ 1.40	\$ 1.40
0.2000	Oh	Tukang besi		\$ 12.00		\$ 2.40	\$ 2.40
0.0200	Oh	Kepala tukang		\$ 13.00		\$ 0.26	\$ 0.26
0.0010	Oh	Mandor		\$ 14.00		\$ 0.01	\$ 0.01
			Jumlah harga per satuan pekerjaan	\$ 75.95	\$ 4.07	\$ 80.02	
	PEKERJAAN KUNCI & KACA						
217	1 Bh. pasang kunci tanam biasa						
1.0000	Bh	Kunci tanam biasa		\$ 15.00	\$ 15.00		\$ 15.00
0.0100	Oh	Pekerja		\$ 7.00		\$ 0.07	\$ 0.07
0.5000	Oh	Tukang besi		\$ 12.00		\$ 6.00	\$ 6.00
0.0100	Oh	Kepala tukang		\$ 13.00		\$ 0.13	\$ 0.13
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
			Jumlah harga per satuan pekerjaan	\$ 15.00	\$ 6.27	\$ 21.27	
218	1 Bh. pasang engsel pintu						
1.0000	Bh	Engsel pintu		\$ 5.00	\$ 5.00		\$ 5.00
0.0150	Oh	Pekerja		\$ 7.00		\$ 0.11	\$ 0.11
0.1500	Oh	Tukang besi		\$ 12.00		\$ 1.80	\$ 1.80
0.0150	Oh	Kepala tukang		\$ 13.00		\$ 0.20	\$ 0.20
0.0010	Oh	Mandor		\$ 14.00		\$ 0.01	\$ 0.01
			Jumlah harga per satuan pekerjaan	\$ 5.00	\$ 2.11	\$ 7.11	
219	1 Bh. pasang engsel jendela kupu-kupu						
1.0000	Bh	Engsel jendela		\$ 1.50	\$ 1.50		\$ 1.50
0.0100	Oh	Pekerja		\$ 7.00		\$ 0.07	\$ 0.07
0.1000	Oh	Tukang besi		\$ 12.00		\$ 1.20	\$ 1.20
0.0100	Oh	Kepala tukang		\$ 13.00		\$ 0.13	\$ 0.13
0.0010	Oh	Mandor		\$ 14.00		\$ 0.01	\$ 0.01
			Jumlah harga per satuan pekerjaan	\$ 1.50	\$ 1.41	\$ 2.91	
220	1 Bh. pasang kait angin						
1.0000	Bh	Kait angin		\$ 1.75	\$ 1.75		\$ 1.75
0.0150	Oh	Pekerja		\$ 7.00		\$ 0.11	\$ 0.11
0.1500	Oh	Tukang besi		\$ 12.00		\$ 1.80	\$ 1.80
0.0150	Oh	Kepala tukang		\$ 13.00		\$ 0.20	\$ 0.20
0.0010	Oh	Mandor		\$ 14.00		\$ 0.01	\$ 0.01
			Jumlah harga per satuan pekerjaan	\$ 1.75	\$ 2.11	\$ 3.86	
221	1 Bh. pasang kunci slot						
1.0000	Bh	Kunci slot		\$ 28.00	\$ 28.00		\$ 28.00
0.0098	Oh	Pekerja		\$ 7.00		\$ 0.07	\$ 0.07
0.0683	Oh	Tukang besi		\$ 12.00		\$ 0.82	\$ 0.82
0.0068	Oh	Kepala tukang		\$ 13.00		\$ 0.09	\$ 0.09
0.0010	Oh	Mandor		\$ 14.00		\$ 0.01	\$ 0.01
			Jumlah harga per satuan pekerjaan	\$ 28.00	\$ 0.99	\$ 28.99	
222	1 M ² pasang kaca, tebal 3 - 5 mm						
1.1000	M ²	Kaca 5mmn putih		\$ 18.00	\$ 19.80		\$ 19.80
0.0500	Kg	Sealant		\$ 11.76	\$ 0.59		\$ 0.59
0.0150	Oh	Pekerja		\$ 7.00		\$ 0.11	\$ 0.11
0.1500	Oh	Tukang besi		\$ 12.00		\$ 1.80	\$ 1.80
0.0150	Oh	Kepala tukang		\$ 13.00		\$ 0.20	\$ 0.20
0.0010	Oh	Mandor		\$ 14.00		\$ 0.01	\$ 0.01
			Jumlah harga per satuan pekerjaan	\$ 20.39	\$ 2.11	\$ 22.50	



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				SATUAN	BAHAN	UPAH	JUMLAH
PEKERJAAN SANITASI							
223	Memasang 1 bush kloset duduk/monoblok lengkap						
1.0000	Bh.			\$ 336.70	\$ 336.70		\$ 336.70
1.4501	Oh	Pekerja		\$ 7.00		\$ 10.15	\$ 10.15
1.2366	Oh	Tukang batu		\$ 12.00		\$ 14.84	\$ 14.84
0.1236	Oh	Kepala tukang		\$ 13.00		\$ 1.61	\$ 1.61
0.0618	Oh	Mandor		\$ 14.00		\$ 0.87	\$ 0.87
				Jumlah harga per satuan pekerjaan		\$ 336.70	\$ 27.46
224	Memasang 1 buah kloset jongkok porselein						
1.0000	Bh.			\$ 25.94	\$ 25.94		\$ 25.94
6.1000	Kg.	Semen portland		\$ 0.13	\$ 0.78		\$ 0.78
0.0103	M ³	Pasir pasang		\$ 22.35	\$ 0.23		\$ 0.23
1.0000	Oh	Pekerja		\$ 7.00		\$ 7.00	\$ 7.00
1.5250	Oh	Tukang batu		\$ 12.00		\$ 18.30	\$ 18.30
1.5000	Oh	Kepala tukang		\$ 13.00		\$ 19.50	\$ 19.50
0.1627	Oh	Mandor		\$ 14.00		\$ 2.28	\$ 2.28
				Jumlah harga per satuan pekerjaan		\$ 26.95	\$ 47.08
225	Memasang 1 buah urinoir						
1.0000	Bh.	Urinoir lengkap		\$ 280.06	\$ 280.06		\$ 280.06
1.0000	Oh	Pekerja		\$ 7.00		\$ 7.00	\$ 7.00
1.0000	Oh	Tukang batu		\$ 12.00		\$ 12.00	\$ 12.00
0.1000	Oh	Kepala tukang		\$ 13.00		\$ 1.30	\$ 1.30
0.0500	Oh	Mandor		\$ 14.00		\$ 0.70	\$ 0.70
				Jumlah harga per satuan pekerjaan		\$ 280.06	\$ 21.00
226	Memasang 1 buah wastafel						
1.0000	Bh.	Wastafel lengkap		\$ 283.11	\$ 283.11		\$ 283.11
1.2000	Oh	Pekerja		\$ 7.00		\$ 8.40	\$ 8.40
1.2366	Oh	Tukang batu		\$ 12.00		\$ 14.84	\$ 14.84
0.1236	Oh	Kepala tukang		\$ 13.00		\$ 1.61	\$ 1.61
0.0618	Oh	Mandor		\$ 14.00		\$ 0.87	\$ 0.87
				Jumlah harga per satuan pekerjaan		\$ 283.11	\$ 25.71
227	Memasang 1 buah bak mandi Fibreglass, volume 220 ltr						
1.0000	Bh.	Bak mandi fiber glass 220 Ltr		\$ 50.00	\$ 50.00		\$ 50.00
1.9474	Oh	Pekerja		\$ 7.00		\$ 13.63	\$ 13.63
2.7000	Oh	Tukang batu		\$ 12.00		\$ 32.40	\$ 32.40
0.5400	Oh	Kepala tukang		\$ 13.00		\$ 7.02	\$ 7.02
0.1189	Oh	Mandor		\$ 14.00		\$ 1.66	\$ 1.66
				Jumlah harga per satuan pekerjaan		\$ 50.00	\$ 54.72
228	Memasang 1 M' pipa galvanis Ø ½"						
1.2000	M'	Pipa Galvanize Ø ½"		\$ 3.05	\$ 3.66		\$ 3.66
0.3500	%	Asesories (35% dari harga pipa)		\$ 3.66	\$ 1.28		\$ 1.28
0.0540	Oh	Pekerja		\$ 7.00		\$ 0.38	\$ 0.38
0.0900	Oh	Tukang batu		\$ 12.00		\$ 1.08	\$ 1.08
0.0090	Oh	Kepala tukang		\$ 13.00		\$ 0.12	\$ 0.12
0.0045	Oh	Mandor		\$ 14.00		\$ 0.06	\$ 0.06
				Jumlah harga per satuan pekerjaan		\$ 4.94	\$ 1.64
229	Memasang 1 M' pipa galvanis Ø ¾"						
1.2000	M'	Pipa Galvanize Ø ¾"		\$ 3.87	\$ 4.64		\$ 4.64
0.3500	%	Asesories (35% dari harga pipa)		\$ 4.64	\$ 1.63		\$ 1.63
0.0540	Oh	Pekerja		\$ 7.00		\$ 0.38	\$ 0.38
0.0900	Oh	Tukang batu		\$ 12.00		\$ 1.08	\$ 1.08
0.0090	Oh	Kepala tukang		\$ 13.00		\$ 0.12	\$ 0.12
0.0045	Oh	Mandor		\$ 14.00		\$ 0.06	\$ 0.06
				Jumlah harga per satuan pekerjaan		\$ 6.27	\$ 1.64
230	Memasang 1 M' pipa galvanis Ø 1"						
1.2000	M'	Pipa Galvanize Ø 1"		\$ 5.72	\$ 6.87		\$ 6.87
0.3500	%	Asesories (35% dari harga pipa)		\$ 6.87	\$ 2.40		\$ 2.40
0.0540	Oh	Pekerja		\$ 7.00		\$ 0.38	\$ 0.38
0.0900	Oh	Tukang batu		\$ 12.00		\$ 1.08	\$ 1.08
0.0090	Oh	Kepala tukang		\$ 13.00		\$ 0.12	\$ 0.12
0.0045	Oh	Mandor		\$ 14.00		\$ 0.06	\$ 0.06
				Jumlah harga per satuan pekerjaan		\$ 9.27	\$ 1.64
231	Memasang 1 M' pipa galvanis Ø 1 ½"						



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				SATUAN	BAHAN	UPAH	JUMLAH
239	Memasang 1 M' pipa PVC tipe AW Ø 1"						
1.2000	M'	PVC Ø 1"		\$ 1.00	\$ 1.20		\$ 1.20
0.3500	%	Asesories (35% dari harga pipa)		\$ 1.20	\$ 0.42		\$ 0.42
0.0360	Oh	Pekerja		\$ 7.00		\$ 0.25	\$ 0.25
0.0706	Oh	Tulkang batu		\$ 12.00		\$ 0.85	\$ 0.85
0.0075	Oh	Kepala tulang		\$ 13.00		\$ 0.10	\$ 0.10
0.0043	Oh	Mandor		\$ 14.00		\$ 0.06	\$ 0.06
	Jumlah harga per satuan pekerjaan			\$ 1.62	\$ 1.26		\$ 2.88
240	Memasang 1 M' pipa PVC tipe AW Ø 1½"						
1.2000	M'	PVC Ø 1½"		\$ 2.25	\$ 2.70		\$ 2.70
0.3500	%	Asesories (35% dari harga pipa)		\$ 2.70	\$ 0.95		\$ 0.95
0.0360	Oh	Pekerja		\$ 7.00		\$ 0.25	\$ 0.25
0.0706	Oh	Tulkang batu		\$ 12.00		\$ 0.85	\$ 0.85
0.0075	Oh	Kepala tulang		\$ 13.00		\$ 0.10	\$ 0.10
0.0043	Oh	Mandor		\$ 14.00		\$ 0.06	\$ 0.06
	Jumlah harga per satuan pekerjaan			\$ 3.65	\$ 1.26		\$ 4.90
241	Memasang 1 M' pipa PVC tipe AW 1½"						
1.2000	M'	PVC Ø 1½"		\$ 2.75	\$ 3.30		\$ 3.30
0.3500	%	Asesories (35% dari harga pipa)		\$ 3.30	\$ 1.16		\$ 1.16
0.0360	Oh	Pekerja		\$ 7.00		\$ 0.25	\$ 0.25
0.0706	Oh	Tulkang batu		\$ 12.00		\$ 0.85	\$ 0.85
0.0075	Oh	Kepala tulang		\$ 13.00		\$ 0.10	\$ 0.10
0.0043	Oh	Mandor		\$ 14.00		\$ 0.06	\$ 0.06
	Jumlah harga per satuan pekerjaan			\$ 4.46	\$ 1.26		\$ 5.71
242	Memasang 1 M' pipa PVC tipe AW Ø 2"						
1.2000	M'	PVC Ø 2"		\$ 3.75	\$ 4.50		\$ 4.50
0.3500	%	Asesories (35% dari harga pipa)		\$ 4.50	\$ 1.58		\$ 1.58
0.0450	Oh	Pekerja		\$ 7.00		\$ 0.32	\$ 0.32
0.0750	Oh	Tulkang batu		\$ 12.00		\$ 0.90	\$ 0.90
0.0090	Oh	Kepala tulang		\$ 13.00		\$ 0.12	\$ 0.12
0.0025	Oh	Mandor		\$ 14.00		\$ 0.04	\$ 0.04
	Jumlah harga per satuan pekerjaan			\$ 6.08	\$ 1.37		\$ 7.44
243	Memasang 1 M' pipa PVC tipe AW Ø 3"						
1.2000	M'	PVC Ø 3"		\$ 4.19	\$ 5.03		\$ 5.03
0.3500	%	Asesories (35% dari harga pipa)		\$ 5.03	\$ 1.76		\$ 1.76
0.0810	Oh	Pekerja		\$ 7.00		\$ 0.57	\$ 0.57
0.1879	Oh	Tulkang batu		\$ 12.00		\$ 2.25	\$ 2.25
0.0189	Oh	Kepala tulang		\$ 13.00		\$ 0.25	\$ 0.25
0.0070	Oh	Mandor		\$ 14.00		\$ 0.10	\$ 0.10
	Jumlah harga per satuan pekerjaan			\$ 6.78	\$ 1.37		\$ 9.95
244	Memasang 1 M' pipa PVC tipe AW Ø 4"						
1.2000	M'	PVC Ø 4"		\$ 8.50	\$ 10.20		\$ 10.20
0.3500	%	Asesories (35% dari harga pipa)		\$ 10.20	\$ 3.57		\$ 3.57
0.0810	Oh	Pekerja		\$ 7.00		\$ 0.57	\$ 0.57
0.1879	Oh	Tulkang batu		\$ 12.00		\$ 2.25	\$ 2.25
0.0189	Oh	Kepala tulang		\$ 13.00		\$ 0.25	\$ 0.25
0.0070	Oh	Mandor		\$ 14.00		\$ 0.10	\$ 0.10
	Jumlah harga per satuan pekerjaan			\$ 13.77	\$ 3.17		\$ 16.94
245	Memasang 1 buah kran Ø ½"						
1.0000	Bh	Kran air Ø ½"		\$ 5.50	\$ 5.50		\$ 5.50
0.0245	Bh	Seal tape		\$ 0.45	\$ 0.01		\$ 0.01
0.0100	Oh	Pekerja		\$ 7.00		\$ 0.07	\$ 0.07
0.1000	Oh	Tulkang batu		\$ 12.00		\$ 1.20	\$ 1.20
0.0100	Oh	Kepala tulang		\$ 13.00		\$ 0.13	\$ 0.13
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
	Jumlah harga per satuan pekerjaan			\$ 5.51	\$ 1.47		\$ 6.98
246	Memasang 1 buah kran Ø ¾"						
1.0000	Bh	Kran air Ø ¾"		\$ 7.50	\$ 7.50		\$ 7.50
0.0245	Bh	Seal tape		\$ 0.45	\$ 0.01		\$ 0.01
0.0100	Oh	Pekerja		\$ 7.00		\$ 0.07	\$ 0.07
0.1000	Oh	Tulkang batu		\$ 12.00		\$ 1.20	\$ 1.20
0.0100	Oh	Kepala tulang		\$ 13.00		\$ 0.13	\$ 0.13
0.0050	Oh	Mandor		\$ 14.00		\$ 0.07	\$ 0.07



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				SATUAN	BAHAN	UPAH	JUMLAH
				Jumlah harga per satuan pekerjaan			\$ 8.98
247	Memasang 1 BH floor drain				\$ 7.51	\$ 1.47	\$ 8.98
	1.0000	bh	Floor drain	\$ 3.75	\$ 3.75		\$ 3.75
	0.0100	Oh	Pekerja	\$ 7.00		\$ 0.07	\$ 0.07
	0.1000	Oh	Tukang batu	\$ 12.00		\$ 1.20	\$ 1.20
	0.0100	Oh	Kepala tukang	\$ 13.00		\$ 0.13	\$ 0.13
	0.0050	Oh	Mandor	\$ 14.00		\$ 0.07	\$ 0.07
				Jumlah harga per satuan pekerjaan			\$ 5.22
248	Pasang 1 bh elbow 2"				\$ 3.75	\$ 1.47	\$ 5.22
	1.0000	bh	Knee/Elbow Ø 2"	\$ 4.25	\$ 4.25		\$ 4.25
	0.0250	kg	Lem pvc	\$ 8.00	\$ 0.20		\$ 0.20
	0.0100	OH	Pekerja	\$ 7.00		\$ 0.07	\$ 0.07
	0.1000	OH	Tukang Batu	\$ 12.00		\$ 1.20	\$ 1.20
	0.0100	OH	Kepala Tukang	\$ 13.00		\$ 0.13	\$ 0.13
	0.0050	OH	Mandor	\$ 14.00		\$ 0.07	\$ 0.07
				Jumlah harga per satuan pekerjaan			\$ 5.92
249	Pasang 1 bh elbow 4"				\$ 4.45	\$ 1.47	\$ 5.92
	1.0000	bh	Knee/Elbow Ø 4"	\$ 20.00	\$ 20.00		\$ 20.00
	0.0450	kg	Lem pvc	\$ 8.00	\$ 0.36		\$ 0.36
	0.0100	OH	Pekerja	\$ 7.00		\$ 0.07	\$ 0.07
	0.1000	OH	Tukang Batu	\$ 12.00		\$ 1.20	\$ 1.20
	0.0100	OH	Kepala Tukang	\$ 13.00		\$ 0.13	\$ 0.13
	0.0050	OH	Mandor	\$ 14.00		\$ 0.07	\$ 0.07
				Jumlah harga per satuan pekerjaan			\$ 21.83
	PEKERJAAN PENGECAKATAN						
250	1 m ² pencucian bidang permukaan tembok yg pernah di cat						
	0.0500	kg	Sabun	\$ 1.00	\$ 0.05		\$ 0.05
	0.1500	Oh	Pekerja	\$ 7.00		\$ 1.05	\$ 1.05
	0.0030	Oh	Mandor	\$ 14.00		\$ 0.04	\$ 0.04
				Jumlah harga per satuan pekerjaan			\$ 1.14
251	1 M ² pengecatan bidang kayu baru (1 lapis plamir, 1 lapis cat dasar, 2 lapis cat penutup)						
	0.1850	Kg.	Cat meni kayu	\$ 3.88			
	0.1380	Kg.	Plamir kayu	\$ 3.50			
	0.1700	Kg.	Cat kayu dasar	\$ 5.25			
	0.2730	Kg.	Cat kayu penutup	\$ 5.25			
	0.0294	bh	Kuas	\$ 1.75			
	0.0847	Oh	Pekerja	\$ 7.00		\$ 0.59	\$ 0.59
	0.0890	Oh	Tukang cat	\$ 12.00		\$ 1.07	\$ 1.07
	0.0139	Oh	Kepala tukang	\$ 13.00		\$ 0.18	\$ 0.18
	0.0051	Oh	Mandor	\$ 14.00		\$ 0.07	\$ 0.07
				Jumlah harga per satuan pekerjaan			\$ 1.91
252	1 M ² pengecatan bidang kayu dengan vernis						
	0.2930	Kg.	Politur/Vernis	\$ 5.67	\$ 1.66		\$ 1.66
	0.0934	Kg.	Plamir kayu	\$ 3.50	\$ 0.33		\$ 0.33
	0.8924	Lbr.	Amplas	\$ 0.44	\$ 0.39		\$ 0.39
	0.0294	Bh.	Kuas	\$ 1.75	\$ 0.05		\$ 0.05
	0.0539	Oh	Pekerja	\$ 7.00		\$ 0.38	\$ 0.38
	0.0806	Oh	Tukang cat	\$ 12.00		\$ 0.97	\$ 0.97
	0.0129	Oh	Kepala tukang	\$ 13.00		\$ 0.17	\$ 0.17
	0.0046	Oh	Mandor	\$ 14.00		\$ 0.06	\$ 0.06
				Jumlah harga per satuan pekerjaan			\$ 4.01
253	1 M ² pengecatan tembok baru (1 lapis plamir, 1 lapis cat dasar, 2 lapis cat penutup).						
	0.2454	Kg.	Plamir tembok	\$ 0.86	\$ 0.21		\$ 0.21
	0.1500	Kg.	Cat tembok dasar	\$ 2.18	\$ 0.33		\$ 0.33
	0.4500	Kg.	Cat tembok penutup	\$ 2.18	\$ 0.98		\$ 0.98
	0.0350	bh	Kuas	\$ 1.75	\$ 0.06		\$ 0.06
	0.1720	Oh	Pekerja	\$ 7.00		\$ 1.20	\$ 1.20
	0.0850	Oh	Tukang cat	\$ 12.00		\$ 1.02	\$ 1.02
	0.0175	Oh	Kepala tukang	\$ 13.00		\$ 0.23	\$ 0.23
	0.0083	Oh	Mandor	\$ 14.00		\$ 0.12	\$ 0.12
				Jumlah harga per satuan pekerjaan			\$ 4.15
254	1 M ² pengecatan tembok lama (1 lapis cat dasar, 2 lapis cat penutup).						
	0.1200	Kg.	Cat tembok dasar	\$ 2.18	\$ 0.26		\$ 0.26



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0.1839	Kg.	Cat tembok penutup		\$ 2.18	\$ 0.40		\$ 0.40
0.0294	bh	Kuas		\$ 1.75	\$ 0.05		\$ 0.05
0.0361	Oh	Pekerja		\$ 7.00		\$ 0.25	\$ 0.25
0.0420	Oh	Tukang cat		\$ 12.00		\$ 0.50	\$ 0.50
0.0051	Oh	Kepala tukang		\$ 13.00		\$ 0.07	\$ 0.07
0.0037	Oh	Mandor		\$ 14.00		\$ 0.05	\$ 0.05
Jumlah harga per satuan pekerjaan				\$ 0.71	\$ 0.67	\$ 1.59	
255	1 M² pengecatan permukaan baja dengan meni besi						
0.1230	Kg.	Meni besi/cat besi		\$ 5.25	\$ 0.65		\$ 0.65
0.0136	ltr	Minyak cat		\$ 4.00	\$ 0.05		\$ 0.05
0.0227	Bh.	Kuas		\$ 1.75	\$ 0.04		\$ 0.04
0.0636	Oh	Pekerja		\$ 7.00		\$ 0.45	\$ 0.45
0.2000	Oh	Tukang cat		\$ 12.00		\$ 2.40	\$ 2.40
0.0204	Oh	Kepala tukang		\$ 13.00		\$ 0.27	\$ 0.27
0.0114	Oh	Mandor		\$ 14.00		\$ 0.16	\$ 0.16
Jumlah harga per satuan pekerjaan				\$ 0.74	\$ 3.27	\$ 4.01	
256	1 M² pengecatan permukaan baja, 1 lapis dengan meni besi dan perancah.						
0.1000	Kg.	Meni besi/cat besi		\$ 5.25	\$ 0.53		\$ 0.53
0.0100	Bh.	Kuas		\$ 1.75	\$ 0.02		\$ 0.02
0.0020	M ³	Perancah kayu		\$ 300.00	\$ 0.60		\$ 0.60
0.2500	Oh	Pekerja		\$ 7.00		\$ 1.75	\$ 1.75
0.2250	Oh	Tukang cat		\$ 12.00		\$ 2.70	\$ 2.70
0.0230	Oh	Kepala tukang		\$ 13.00		\$ 0.30	\$ 0.30
0.0080	Oh	Mandor		\$ 14.00		\$ 0.11	\$ 0.11
Jumlah harga per satuan pekerjaan				\$ 1.14	\$ 4.86	\$ 6.00	
257	1 M² pengecatan plafond (1 lapis cat dasar, 1 lapis cat penutup).						
0.0920	Kg.	Cat tembok dasar					
0.2600	Kg.	Cat tembok penutup					
0.0294	bh	Kuas roll					
0.1667	Oh	Pekerja		\$ 7.00		\$ 1.17	\$ 1.17
0.0833	Oh	Tukang cat		\$ 12.00		\$ 1.00	\$ 1.00
0.0167	Oh	Kepala tukang		\$ 13.00		\$ 0.22	\$ 0.22
0.0083	Oh	Mandor		\$ 14.00		\$ 0.12	\$ 0.12
Jumlah harga per satuan pekerjaan				\$ -	\$ 2.50	\$ 2.50	
PEKERJAAN LAIN-LAIN							
258	Memasang 1 m² kawat duri						
1.1000	m	Kawat duri		\$ 0.23	\$ 0.25		\$ 0.25
0.0125	OH	Pekerja		\$ 7.00		\$ 0.09	\$ 0.09
0.0250	OH	Tukang kayu		\$ 12.00		\$ 0.30	\$ 0.30
0.0013	OH	Kepala tukang		\$ 13.00		\$ 0.02	\$ 0.02
0.0006	OH	Mandor		\$ 14.00		\$ 0.01	\$ 0.01
Jumlah harga per satuan pekerjaan				\$ 0.25	\$ 0.41	\$ 0.66	
259	1 M³ Pasang Bronjong (2 x 1 x 1 m)						
1.1000	M ³	Batu kali		\$ 22.85	\$ 25.13		\$ 25.13
0.5000	Unit	Bronjong 1x1x2m		\$ 42.00	\$ 21.00		\$ 21.00
0.6667	Oh	Pekerja		\$ 7.00		\$ 4.67	\$ 4.67
0.0240	Oh	Mandor		\$ 14.00		\$ 0.34	\$ 0.34
Jumlah harga per satuan pekerjaan				\$ 46.13	\$ 5.00	\$ 51.13	
260	Pasang 1 bh batu kontrol pasangan batu bata 30 x 30/T35 cm						
53.0000	Bh	Batu bata		\$ 0.35	\$ 18.55		\$ 18.55
44.0000	Kg.	Semen portland		\$ 0.13	\$ 5.61		\$ 5.61
0.0700	M ³	Pasir pasang		\$ 22.35	\$ 1.56		\$ 1.56
0.0700	M ³	batu pecah		\$ 48.02	\$ 3.36		\$ 3.36
1.4150	Kg.	Besi beton		\$ 1.31	\$ 1.86		\$ 1.86
0.0600	M ³	Pasir beton		\$ 22.35	\$ 1.34		\$ 1.34
3.2000	Oh	Pekerja		\$ 7.00		\$ 22.40	\$ 22.40
1.0150	Oh	Tukang batu		\$ 12.00		\$ 12.18	\$ 12.18
0.1015	Oh	Kepala tukang		\$ 13.00		\$ 1.32	\$ 1.32
0.0160	Oh	Mandor		\$ 14.00		\$ 0.22	\$ 0.22
Jumlah harga per satuan pekerjaan				\$ 32.29	\$ 36.12	\$ 68.41	
261	1 Buah Bak Cuci piring Stainless steel (Kitchen Zinc) dua lubang						
1.00000	unit	Bak Cuci stainless steel dua lubang		\$ 115.00	\$ 115.00		\$ 115.00



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1.00000	buah	Pipa pembuangan dan aksesoris (25% x harga bak cuci)		\$ 28.75	\$ 28.75		\$ 28.75
0.03000	Oh	Pekerja		\$ 7.00		\$ 0.21	\$ 0.21
0.30000	Oh	Tukang batu		\$ 12.00		\$ 3.60	\$ 3.60
0.03000	Oh	Kepala tukang		\$ 13.00		\$ 0.39	\$ 0.39
0.00150	Oh	Mandor		\$ 14.00		\$ 0.02	\$ 0.02
Jumlah harga per satuan pekerjaan				\$ 143.75	\$ 4.22		\$ 147.97
262	1 Buah Bak Cuci piring Stainless steel [Kitchen Zinc] satu lubang						
1.00000	unit	Bak Cuci stainless steel satu lubang		\$ 65.00	\$ 65.00		\$ 65.00
1.00000	buah	Pipa pembuangan dan aksesoris (25% x harga bak cuci)		\$ 16.25	\$ 16.25		\$ 16.25
0.03000	Oh	Pekerja		\$ 7.00		\$ 0.21	\$ 0.21
0.30000	Oh	Tukang batu		\$ 12.00		\$ 3.60	\$ 3.60
0.03000	Oh	Kepala tukang		\$ 13.00		\$ 0.39	\$ 0.39
0.00150	Oh	Mandor		\$ 14.00		\$ 0.02	\$ 0.02
Jumlah harga per satuan pekerjaan				\$ 81.25	\$ 4.22		\$ 85.47
263	1 m' Kansteen beton (Kerb Stone 60x35x16)						
1.7500	bh	Kerystone 60x35x15		\$ 6.35	\$ 11.11		\$ 11.11
0.0100	M ³	Pasir pasang		\$ 22.35	\$ 0.22		\$ 0.22
2.5000	kg	Semen portland		\$ 0.13	\$ 0.32		\$ 0.32
0.1500	Oh	Pekerja		\$ 7.00	\$ 1.05	\$ 1.05	\$ 2.10
0.2000	Oh	Tukang batu		\$ 12.00		\$ 2.40	\$ 2.40
0.0200	Oh	Kepala tukang		\$ 13.00		\$ 0.26	\$ 0.26
0.1000	Oh	Mandor		\$ 14.00		\$ 1.40	\$ 1.40
Jumlah harga per satuan pekerjaan				\$ 12.70	\$ 5.11		\$ 17.81
264	1 m' Kansteen beton (Kerb Stone 40x10x20)						
2.6250	bh	Kerystone 40x10x20		\$ 2.45	\$ 6.43		\$ 6.43
0.0100	M ³	Pasir pasang		\$ 22.35	\$ 0.22		\$ 0.22
2.5000	kg	Semen portland		\$ 0.13	\$ 0.32		\$ 0.32
0.1500	Oh	Pekerja		\$ 7.00		\$ 1.05	\$ 1.05
0.2000	Oh	Tukang batu		\$ 12.00		\$ 2.40	\$ 2.40
0.0200	Oh	Kepala tukang		\$ 13.00		\$ 0.26	\$ 0.26
0.1000	Oh	Mandor		\$ 14.00		\$ 1.40	\$ 1.40
Jumlah harga per satuan pekerjaan				\$ 6.97	\$ 5.11		\$ 12.08
265	1 m² pasang plastik cor						
1.0500	m ²	Plastik cor		\$ 1.33	\$ 1.40		\$ 1.40
0.0500	OH	Pekerja		\$ 7.00		\$ 0.35	\$ 0.35
0.0050	OH	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
Jumlah harga per satuan pekerjaan				\$ 1.40	\$ 0.42		\$ 1.82
266	Memasang 1 m' kawat duri razor wire (trawat silet)						
1.1000	m	Kawat silet		\$ 1.25	\$ 1.38		\$ 1.38
0.0250	OH	Pekerja		\$ 7.00		\$ 0.18	\$ 0.18
0.0500	OH	Tukang kayu		\$ 12.00		\$ 0.60	\$ 0.60
0.0025	OH	Kepala tukang		\$ 13.00		\$ 0.03	\$ 0.03
0.0013	OH	Mandor		\$ 14.00		\$ 0.02	\$ 0.02
Jumlah harga per satuan pekerjaan				\$ 1.38	\$ 0.83		\$ 2.20
267	Memasang 1 m² pagar harmonika						
1.1000	m ²	Kawat harmonika		\$ 4.90	\$ 5.39		\$ 5.39
0.0420	OH	Pekerja		\$ 7.00		\$ 0.29	\$ 0.29
0.0040	OH	Tukang kayu		\$ 12.00		\$ 0.05	\$ 0.05
0.0020	OH	Kepala tukang		\$ 13.00		\$ 0.03	\$ 0.03
0.0420	OH	Mandor		\$ 14.00		\$ 0.59	\$ 0.59
Jumlah harga per satuan pekerjaan				\$ 5.39	\$ 0.96		\$ 6.35
268	1 M² Tanam rumput jepang						
0.0400	kg	Pupuk kandang			\$ 0.04		\$ 0.04
1.0000	m ²	Rumput jepang			\$ 10.00		\$ 10.00
0.0400	org	Pekerja		\$ 7.00		\$ 0.28	\$ 0.28
0.0040	org	Mandor		\$ 14.00		\$ 0.06	\$ 0.06
Jumlah harga per satuan pekerjaan				\$ 10.04	\$ 0.34		\$ 10.38
269	Memasang 1 M² Langit-langit PVC						
1.3125	Lbr	Plafon PVC		\$ 4.01	\$ 5.26		\$ 5.26
0.1100	kg	Paku Skrup		\$ 3.00	\$ 0.33		\$ 0.33
0.2280	Oh	Pekerja		\$ 7.00		\$ 1.60	\$ 1.60
0.4158	Oh	Tukang kayu		\$ 12.00		\$ 4.99	\$ 4.99
0.0416	Oh	Kepala tukang		\$ 13.00		\$ 0.54	\$ 0.54



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Assistência
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UNIT PRICE ANALYSIS (UPA)

NO.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
0.0140	Oh	Mandor		\$ 14.00		\$ 0.20	\$ 0.20
			Jumlah harga per satuan pekerjaan	\$ 5.59	\$ 7.32	\$ 12.91	
270	Memasang 1 m² List Plafond PVC						
1.0500	M	List Plafon PVC		\$ 1.52	\$ 1.60		\$ 1.60
0.0329	Kg.	Paku Skrup		\$ 3.00	\$ 0.10		\$ 0.10
0.0600	Oh	Pekerja		\$ 7.00		\$ 0.42	\$ 0.42
0.0600	Oh	Tukang Kayu		\$ 12.00		\$ 0.72	\$ 0.72
0.0060	Oh	Kepala tukang		\$ 13.00		\$ 0.08	\$ 0.08
0.0030	Oh	Mandor		\$ 14.00		\$ 0.04	\$ 0.04
			Jumlah harga per satuan pekerjaan	\$ 1.70	\$ 1.26	\$ 2.96	
271	1 M² pengecatan anti rayap						
0.3500	ltr				\$ 0.88		\$ 0.88
0.1000	Oh	Pekerja		\$ 7.00		\$ 0.70	\$ 0.70
0.0060	Oh	Mandor		\$ 14.00		\$ 0.08	\$ 0.08
			Jumlah harga per satuan pekerjaan	\$ 0.88	\$ 0.78	\$ 1.66	
272	Memasang 1 m² lantai granit ukuran 60 x 60 cm						
3.0000	Bh	Granit 60x60 cm		\$ 4.94	\$ 14.83		\$ 14.83
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
0.9321	Kg.	Semen warna		\$ 0.31	\$ 0.29		\$ 0.29
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
			Jumlah harga per satuan pekerjaan	\$ 17.15	\$ 9.80	\$ 26.95	
273	Memasang 1 m² lantai granit ukuran 80 x 80 cm						
1.7188	Bh	Granit 80 x 80 cm		\$ 9.33	\$ 16.04		\$ 16.04
8.0000	Kg.	Semen portland		\$ 0.13	\$ 1.02		\$ 1.02
0.0450	M ³	Pasir pasang		\$ 22.35	\$ 1.01		\$ 1.01
0.9321	Kg.	Semen warna		\$ 0.31	\$ 0.29		\$ 0.29
0.7000	Oh	Pekerja		\$ 7.00		\$ 4.90	\$ 4.90
0.3500	Oh	Tukang batu		\$ 12.00		\$ 4.20	\$ 4.20
0.0350	Oh	Kepala tukang		\$ 13.00		\$ 0.46	\$ 0.46
0.0175	Oh	Mandor		\$ 14.00		\$ 0.25	\$ 0.25
			Jumlah harga per satuan pekerjaan	\$ 18.36	\$ 9.80	\$ 28.16	
274	Memasang 1 m² geotekstil						
1.1650	m ²	Geotextile		\$ 1.57	\$ 1.83		\$ 1.83
0.0500	OH	Pekerja		\$ 7.00		\$ 0.35	\$ 0.35
0.0050	OH	Mandor		\$ 14.00		\$ 0.07	\$ 0.07
			Jumlah harga per satuan pekerjaan	\$ 1.83	\$ 0.42	\$ 2.25	
275	Pengecoran 1 m³ beton ready mix 20 MPa menggunakan peralatan pompa beton						
1.0000	m ³	Ready Mix Concrete 20 Mpa		\$ 175.00	\$ 175.00		\$ 175.00
0.1667	jam	Pompa beton		\$ 155.00		\$ 25.83	\$ 25.83
0.2000	OH	Pekerja		\$ 7.00		\$ 1.40	\$ 1.40
0.0100	OH	Mandor		\$ 14.00		\$ 0.14	\$ 0.14
			Jumlah harga per satuan pekerjaan	\$ 175.00	\$ 27.37	\$ 202.37	
276	Pengecoran 1 m³ beton ready mix 25 MPa menggunakan peralatan pompa beton						
1.0000	m ³	Ready Mix Concrete 25 Mpa		\$ 180.00	\$ 180.00		\$ 180.00
0.1667	jam	Pompa beton		\$ 155.00		\$ 25.83	\$ 25.83
0.2000	OH	Pekerja		\$ 7.00		\$ 1.40	\$ 1.40
0.0100	OH	Mandor		\$ 14.00		\$ 0.14	\$ 0.14
			Jumlah harga per satuan pekerjaan	\$ 180.00	\$ 27.37	\$ 207.37	
277	Pengecoran 1 m³ beton ready mix 30 MPa menggunakan peralatan pompa beton						
1.0000	m ³	Ready Mix Concrete 30 Mpa		\$ 190.00	\$ 190.00		\$ 190.00
0.1667	jam	Pompa beton		\$ 155.00		\$ 25.83	\$ 25.83
0.2000	OH	Pekerja		\$ 7.00		\$ 1.40	\$ 1.40
0.0100	OH	Mandor		\$ 14.00		\$ 0.14	\$ 0.14
			Jumlah harga per satuan pekerjaan	\$ 190.00	\$ 27.37	\$ 217.37	
278	Memasang 1 buah door closer						
1.0000	set	Door closer		\$ 45.00	\$ 45.00		\$ 45.00
0.0500	OH	Pekerja		\$ 7.00		\$ 0.35	\$ 0.35
0.5000	OH	Tukang kayu		\$ 12.00		\$ 6.00	\$ 6.00
0.0500	OH	Kepala tukang		\$ 13.00		\$ 0.65	\$ 0.65
0.0030	OH	Mandor		\$ 14.00		\$ 0.04	\$ 0.04



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NO.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
				Jumlah harga per satuan pekerjaan			
				\$ 45.00	\$ 7.04	\$ 52.04	
279	Memasang 1 buah door holder						
1.0000	set	Door holder		#REF!			#REF!
0.0500	OH	Pekerja	\$ 7.00		\$ 0.35	\$ 0.35	
0.5000	OH	Tukang kayu	\$ 12.00		\$ 6.00	\$ 6.00	
0.0500	OH	Kepala tukang	\$ 13.00		\$ 0.65	\$ 0.65	
0.0030	OH	Mandor	\$ 14.00		\$ 0.04	\$ 0.04	
				Jumlah harga per satuan pekerjaan			
				#REF!	\$ 7.04		#REF!
280	Memasang 1 buah door stop						
1.0000	set	Door stop		#REF!			#REF!
0.0500	OH	Pekerja	\$ 7.00		\$ 0.35	\$ 0.35	
0.5000	OH	Tukang kayu	\$ 12.00		\$ 6.00	\$ 6.00	
0.0500	OH	Kepala tukang	\$ 13.00		\$ 0.65	\$ 0.65	
0.0030	OH	Mandor	\$ 14.00		\$ 0.04	\$ 0.04	
				Jumlah harga per satuan pekerjaan			
				#REF!	\$ 7.04		#REF!
281	Pengecatan 1 m2 water proofing dengan no drop						
0.4000	kg	Cat Tembok No Drop	\$ 5.00	\$ 2.00		\$ 2.00	
0.5000	kg	Cat Tembok No Drop	\$ 5.00	\$ 2.50		\$ 2.50	
0.2500	OH	Pekerja	\$ 7.00		\$ 1.75	\$ 1.75	
0.1200	OH	Tukang batu	\$ 12.00		\$ 1.44	\$ 1.44	
0.0120	OH	Kepala tukang	\$ 13.00		\$ 0.16	\$ 0.16	
0.0015	OH	Mandor	\$ 14.00		\$ 0.02	\$ 0.02	
				Jumlah harga per satuan pekerjaan			
				\$ 4.50	\$ 3.37	\$ 7.87	
282	Pemasangan 1 buah pagar BRC tinggi 150 cm						
1.0000	m	Tiang pagar BRC	\$ 10.75	\$ 43.01		\$ 43.01	
1.0000	lbr	Pagar BRC tinggi 150 cm	\$ 43.80	\$ 43.80		\$ 43.80	
6.0000	bh	Klem dan baut pagar BRC		#REF!		#REF!	
2.0000	bh	Tutup tiang pagar BRC		#REF!		#REF!	
1.0000	Ls	Pekerjaan pemasangan pagar termasuk potong dan las	#REF!		#REF!	#REF!	
				Jumlah harga per satuan pekerjaan			
				#REF!	#REF!	#REF!	
283	1 M ² Pasang batu koral sikit campuran 1 : 2 (tebal 15 mm)						
7.5000	Kg	Batu koral sikit	\$ 4.00	\$ 30.00		\$ 30.00	
0.0499	M ³	Pasir pasang	\$ 22.35	\$ 1.11		\$ 1.11	
2.9213	kg	Semen portland	\$ 0.13	\$ 0.37		\$ 0.37	
0.5125	Oh	Pekerja	\$ 7.00		\$ 3.59	\$ 3.59	
0.2050	Oh	Tukang batu	\$ 12.00		\$ 2.46	\$ 2.46	
0.0205	Oh	Kepala tukang	\$ 13.00		\$ 0.27	\$ 0.27	
0.0102	Oh	Mandor	\$ 14.00		\$ 0.14	\$ 0.14	
				Jumlah harga per satuan pekerjaan			
				\$ 31.49	\$ 6.46	\$ 37.94	



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NO.	URAIAN			HARGA \$			
				SATUAN	BAHAN	UPAH	JUMLAH
284	1 M ² Pasang batu koral sikat campuran 1 : 2 (tebal 10 mm)						
	5.0000	Kg	Batu koral sikat	\$ 4.00	\$ 20.00		\$ 20.00
	0.0333	M ³	Pasir pasang	\$ 22.35	\$ 0.74		\$ 0.74
	1.9475	kg	Semen portland	\$ 0.13	\$ 0.25		\$ 0.25
	0.5125	Oh	Pekerja	\$ 7.00		\$ 3.59	\$ 3.59
	0.2050	Oh	Tukang batu	\$ 12.00		\$ 2.46	\$ 2.46
	0.0205	Oh	Kepala tukang	\$ 13.00		\$ 0.27	\$ 0.27
	0.0102	Oh	Mandor	\$ 14.00		\$ 0.14	\$ 0.14
	Jumlah harga per satuan pekerjaan			\$ 20.99	\$ 6.46		\$ 27.45
285	Memasang 1 m ² plat bondex tebal 0.65 mm						
	1.0800	m2	Plat bondex ketebalan 0.65 mm lebar 85 cm	\$ 9.19	\$ 9.92		\$ 9.92
	0.1000	Oh	Pekerja	\$ 7.00		\$ 0.70	\$ 0.70
	0.0500	Oh	Tukang batu	\$ 12.00		\$ 0.60	\$ 0.60
	0.0050	Oh	Kepala tukang	\$ 13.00		\$ 0.07	\$ 0.07
	0.0100	Oh	Mandor	\$ 14.00		\$ 0.14	\$ 0.14
	Jumlah harga per satuan pekerjaan			\$ 9.92	\$ 1.51		\$ 11.43
286	Memasang 1 m ² plat bondex tebal 0.85 mm						
	1.0800	m2	Plat bondex ketebalan 0.85 mm lebar 85 cm	\$ 12.24	\$ 13.21		\$ 13.21
	0.1000	Oh	Pekerja	\$ 7.00		\$ 0.70	\$ 0.70
	0.0500	Oh	Tukang batu	\$ 12.00		\$ 0.60	\$ 0.60
	0.0050	Oh	Kepala tukang	\$ 13.00		\$ 0.07	\$ 0.07
	0.0100	Oh	Mandor	\$ 14.00		\$ 0.14	\$ 0.14
	Jumlah harga per satuan pekerjaan			\$ 13.21	\$ 1.51		\$ 14.72
287	Memasang 1 m ² plat bondek tebal 1 mm						
	1.0800	m2	Plat bondex ketebalan 1 mm lebar 85 cm	\$ 14.21	\$ 15.35		\$ 15.35
	0.1000	Oh	Pekerja	\$ 7.00		\$ 0.70	\$ 0.70
	0.0500	Oh	Tukang batu	\$ 12.00		\$ 0.60	\$ 0.60
	0.0050	Oh	Kepala tukang	\$ 13.00		\$ 0.07	\$ 0.07
	0.0100	Oh	Mandor	\$ 14.00		\$ 0.14	\$ 0.14
	Jumlah harga per satuan pekerjaan			\$ 15.35	\$ 1.51		\$ 16.85
288	1 M ³ Timbunan tanah (didatangkan dari luar)						
	1.2000	M ³	Tanah urug	\$ 5.00	\$ 6.00		\$ 6.00
	0.3023	Hr.	Pekerja	\$ 7.00		\$ 2.12	\$ 2.12
	0.0127	Hr.	Mandor	\$ 14.00		\$ 0.18	\$ 0.18
	Jumlah harga per satuan pekerjaan			\$ 6.00	\$ 2.29		\$ 8.29
289	Memasang 1M ² lisplank Calsiboard uk. 2x15 cm, Calsiboard 6mm						
	0.0521	M ²	Calsiboard 6 mm	\$ 10.00	\$ 0.52		\$ 0.52
	0.1440	Kg.	Screw	\$ 2.50	\$ 0.36		\$ 0.36
	0.1194	Oh	Pekerja	\$ 7.00		\$ 0.84	\$ 0.84
	0.2390	Oh	Tukang Kayu	\$ 12.00		\$ 2.87	\$ 2.87
	0.0239	Oh	Kepala Tukang	\$ 13.00		\$ 0.31	\$ 0.31
	0.0050	Oh	Mandor	\$ 14.00		\$ 0.07	\$ 0.07
	Jumlah harga per satuan pekerjaan			\$ 0.88	\$ 4.08		\$ 4.97
290	Memasang 1M ² Aliminium Composite Panel (ACP)						
	1.1000	M ²	ACP Seven PVDF 0.30 mm Glossy	\$ 22.28	\$ 24.50		\$ 24.50
	5.6608	kg	Hollow Besi Galvanis Uk 4 x 4 x 1 mm	\$ 1.29	\$ 7.30		\$ 7.30
	0.2500	kg	Sealant	\$ -		\$ -	
	0.3900	Oh	Pekerja	\$ 7.00		\$ 2.73	\$ 2.73
	0.7000	Oh	Tukang Kayu	\$ 12.00		\$ 8.40	\$ 8.40
	0.0700	Oh	Kepala Tukang	\$ 13.00		\$ 0.91	\$ 0.91
	0.0070	Oh	Mandor	\$ 14.00		\$ 0.10	\$ 0.10
	Jumlah harga per satuan pekerjaan			\$ 31.80	\$ 12.14		\$ 43.94
291	1 m ² pasang Geotextile Fabric						
	1.0796	m2	GEOTEXTILE [A24]	\$ 1.69	\$ 1.83		\$ 1.83
	0.0500	OH	Pekerja	\$ 7.00		\$ 0.35	\$ 0.35
	0.0050	OH	Mandor	\$ 14.00		\$ 0.07	\$ 0.07
	Jumlah harga per satuan pekerjaan			\$ 1.83	\$ 0.42		\$ 2.25



AGENCIA DE DESEN VOLVIMENTO NACIONAL, I. P.

Technical Specification

Project Title

New Construction of Dominicana House Bidau

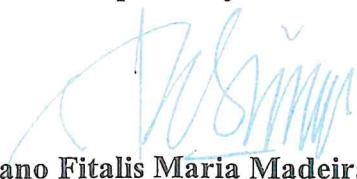


APPROVAL SHEET

Project Title

New Construction of Dominicana House Bidau

Prepared by


(Fabiano Fitalis Maria Madeira)

Checked By


(Johanes Hornay)

Certified By

(José Fernando Liu Soares)

Civil Engineer ADN, I.P.

Chefe do Departamento. EPMETICJM
- ADN, I.P.

Coordenador UAP - ADN,
I.P.