

## MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : KERJA MEMBAIKPULIH, MENAIKTARAF SERTA KERJA -KERJA YANG BERKAITAN DI BANGUNAN BLOK A UNTUK UNIVERSITI TEKNOLOGI MARA DI UiTM KAMPUS JALAN OTHMAN, PETALING JAYA, SELANGOR DARUL EHSAN

Keterangan : 2.1 - KERJA AWAM / ARKITEK

BIL	KETERANGAN	UNIT	HARGA (RM)
A	DEMOLITION, DISMANTLING, CLEARANCE WORKS & MAKING GOOD WORKS		
	NOTE :		
	The Contractor shall be held to have visited the site, inspected the existing premises and ascertained to exact nature of the demolition to be carried out. Any quantities stated in this bill, shall be taken as a guide only and it is the Contractor's responsibility to determine for himself all the works involve. No claims for extra payment in this respect will be entertained.		
	Before commencing any demolition works, the Contractor shall ascertain the existence and position of water and other services from the relevant authorities and arrange for the diversion for termination of the services. The Contractor shall allow for paying all costs and charges in connection therewith and to pay all claims for any damage caused to existing services.		
	The Contractor shall also submit the work statement on the method of conducting demolition works to the full satisfaction of the S.O before commencing any works.		
	The Contractor shall allow for protection and support of all works which may be affected by the demolition works and subsequent reconstruction.		
	Demolition work generally shall be carried out in such manner that there will be a minimum of inconvenience to adjoining owners, the public and existing occupants. The safety of the adjoining buildings and the public shall be a paramount importance during the execution of the demolition work and all necessary precaution shall be taken. The Contractor will be held responsible and is to indemnify the building owner for any claim or series of claims which may arise out of the demolition work.		
	All materials arising out of demolition and alteration are to become the property of the Contractor and to be removed from the buildings and cleared away from the site as directed by the S.O.		
	The prices for demolition work are to include for providing, erecting and removing on complete to the satisfaction of the S.O all necessary shoring, needling, and strutting, watering plaster work and rubbish to lsy the dust, providing dust sheet, tarpaulins, temporary roof covering, water, chutes, screens and other protection necessary to safeguard the existing and adjoining works, clearing away all rubbish and made good all work disturbed.		
	The prices are to include for the use of all necessary scaffolding, ladders, trestles, etc. that may be necessary and for the works and removal of same on completion.		
	BLOK A- ARAS 1		
1	To replace all existing doors & windows	LS	

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Keterangan : 2.1 - KERJA AWAM / ARKITEK

BIL	KETERANGAN	UNIT	HARGA (RM)
2	To demolish existing library furniture	LS	
3	To replace all existing dry partition	LS	
4	To replace existing floor finishes (rendered)	LS	
5	To replace existing metal decking roof & polycarbonate roof at all rendered area	LS	
6	To replace existing pavement at rendered area	LS	
7	To relocate existing electrical fittings & equipments	LS	
8	To relocate/demolish existing garden furniture	LS	
9	To demolish existing brickwall (rendered)	LS	
10	To demolish existing wall tiles & floor tiles, toilets accessories, existing taps & pipes until water tank and all waste pipe until nearest manhole	LS	
11	To demolish all existing M&E furniture.	LS	
	BLOK A- ARAS 2		
1	To replace all doors	LS	
2	To replace existing windows (rendered)	LS	
3	To replace all existing dry wall partition, parts of existing stage & under window storage area	LS	
4	To demolish existing foldable partitions	LS	
5	To demolish existing brickwall (rendered)	LS	
6	To replace existing floor finishes (rendered)	LS	
7	To demolish all existing M&E furniture.	LS	
8	To demolish existing wall tiles & floor tiles, toilets accessories, existing taps & pipes until water tank and all waste pipe until nearest manhole	LS	
	BLOK A- ARAS 3		
1	To replace all doors	LS	
2	To replace existing windows (rendered)	LS	
3	To replace all existing dry wall partition, parts of existing stage & under window storage area	LS	
4	To demolish existing brickwall (rendered)	LS	
5	To replace existing floor finishes (rendered)	LS	
6	To demolish all existing M&E furniture.	LS	

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Keterangan : 2.1 - KERJA AWAM / ARKITEK

BIL	KETERANGAN	UNIT	HARGA (RM)
7	To demolish existing wall tiles & floor tiles, toilets accessories, existing taps & pipes until water tank and all waste pipe until nearest manhole	LS	
	BLOK A- ARAS 4		
1	To replace all doors	LS	
2	To replace existing windows (rendered)	LS	
3	To replace all existing under window storage area	LS	
4	To demolish existing brickwall (rendered)	LS	
5	To replace existing floor finishes (rendered)	LS	
6	To replace existing ceilings	LS	
7	To demolish all existing M&E furniture.	LS	
8	To demolish existing roof finishes (rendered)	LS	
9	To demolish existing wall tiles & floor tiles, toilets accessories, existing taps & pipes until water tank and all waste pipe until nearest manhole	LS	
	BLOK A- ARAS SILING		
1	To replace all ceiling (finishes & structure)	LS	
2	To replace all doors.	LS	
	BLOK A- ARAS BUMBUNG		
1	To demolish existing roof finishes (rendered)	LS	
2	To replace RWDP (fitting & gutter)	LS	
3	To demolish existing waterproofing	LS	
4	To replace all doors.	LS	
5	Any other works which are not mentioned in this schedule of works but are shown on drawings, specification or schedule of finishes :		
	i)	LS	
	ii)	LS	
	iii)	LS	
	No extra claim shall be entertained for failure by tenderer to comply with this requirement		
B	NEW WORKS		

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Keterangan : 2.1 - KERJA AWAM / ARKITEK

BIL	KETERANGAN	UNIT	HARGA (RM)
	(These works include supplying, installing, constructing and relating to the work completed perfectly in accordance with specifications and drawings. All examples and colours of materials must be approved by the S.O. The Contractor MUST submit the catalog for the selection, together with the drawings and specifications provided).		
	BLOK A		
1	Supply and install new 112mm thk. Brickwall with 12mm thk smooth cement plaster on both side c/w wire mesh at every 4 brick layer and all plastered surface as per arch's approval.	LS	
2	Supply and install new 112mm thk. Face Brickwall c/w all accessories to manuf's detail and requirements as per arch's approval.	LS	
3	Supply and install new 9mm thk. Cellulose Fibre Cement Partition Wall System on Bothside c/w all accessories to manuf's detail and requirements as per arch's approval.	LS	
4	Supply and install new selected 600mm x 600mm Homogenous Floor Tiles c/w all accessories to manuf's detail and requirements as per arch's approval.	LS	
5	Existing surfaces (column, floor, coping) to make good (repair/replace), waterjet cleaning with suitable procedure & chemical as per arch's approval.	LS	
6	Existing surfaces (wall, soffit,column) to make good (scraper,scheme),and paint with 2 layer of undercoat & painted with 3 layer of selected suitable paint as per arch's approval.	LS	
7	Supply and install new 9mm thk. 600mm x 600mm Suspended Ceiling System c/w all accessories to manuf's detail (ceiling heights to be adjusted on site) and arch's approval.	LS	
8	Supply and install new selected Alumn. Strip Ceiling c/w all accessories to manuf's detail and requirements and arch's approval.	LS	
9	Supply and install new 9mm thk. Plaster Ceiling to be finished with paint c/w all accessories and fitting to arch's approval.	LS	
10	Supply and install new selected Graphics Vinyl (heavy duty, range size 1200mm/1230mm x 150mm/230mm x 3mm thk) c/w all accessories to manuf's detail and arch's approval.	LS	
11	Supply and install new selected 600mm x 600mm Homogenous Tiles c/w 100mm (H) skirting all accessories to manuf's detail and arch's approval.	LS	
12	Existing H.W railing to make good (repair) and paint with selected wood paint to manuf's details and arch's approval.	LS	
13	Supply and install new Polish Cement Render Flooring to manuf's details and arch's approval.	LS	
14	Supply and install new Concrete Imprint Flooring to manuf's details and arch's approval.	LS	

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Keterangan : 2.1 - KERJA AWAM / ARKITEK

BIL	KETERANGAN	UNIT	HARGA (RM)
15	Supply and install new Bituminous 'Torch On' Waterproofing to manuf's details and arch's approval.	LS	
16	Supply and install new 4mm thk. ACP Roofing c/w all accessories to manuf's details and arch's approval.	LS	
17	Supply and install new 150mm dia. PVC RWDP c/w all accessories to manuf's details and arch's approval.	LS	
18	Supply and install new 0.5mm thk. s/steel gutter c/w all accessories to manuf's details and arch's approval.	LS	
19	Existing roof system (finishes,structure,gutter) to make good (repair/replace) to arch's approval.	LS	
20	Supply and install new M.S Column to replicate/match the existing column (height to be adjusted on site) c/w all accessories to manuf's details and arch's approval.	LS	
21	Existing M.S Railing/M.S column to make good (repair/replace) and paint with selected metal paint with anti rust layer to manuf's details and arch's approval.	LS	
22	Supply and install New 100mm thk. S/Steel Chekered Plate Ramp System at 1:10 ration to arch's approval.	LS	
23	Supply and install new 4mm thk. aluminium coping to manuf's details and arch's approval.	LS	
24	(W1) Supply and install 2400mm (H) x 3350mm (W) Black Anodized 'Shopfront' alumn. frame 6mm thk. fixed glass window & top hung window c/w all accessories to manuf's detail and arch's approval.	LS	
25	(W2) Supply and install 1600mm (H) x 1400mm (W) Black Anodized 'Shopfront' alumn. frame 6mm thk. tempered glass fixed window c/w all accessories to manuf's detail and arch's approval.	LS	
26	(W3) Supply and install 2100mm (H) x 3350mm (W) Black Anodized 'Shopfront' alumn. frame 6mm thk. tempered glass fixed window & top hung window c/w all accessories to manuf's detail and arch's approval.	LS	
27	(W4) Supply and install 600mm (H) x 3350mm (W) Black Anodized 'Shopfront' alumn. frame 6mm thk. fixed window c/w all accessories to manuf's detail and arch's approval.	LS	
28	(W5) Supply and install 900mm (H) x 3350mm (W) Black Anodized 'Shopfront' alumn. frame 6mm thk. tempered glass fixed window c/w all accessories to manuf's detail and arch's approval.	LS	
29	(W6) Supply and install 1500mm (H) x 3350mm (W) Black Anodized alumn. frame 6mm thk. tempered glass casement window & fixed top hung window c/w all accessories to manuf's detail and arch's approval.	LS	

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Keterangan : 2.1 - KERJA AWAM / ARKITEK

BIL	KETERANGAN	UNIT	HARGA (RM)
30	(W7) Supply and install 1500mm (H) x 500mm (W) Black Anodized alumn. frame 6mm thk. tempered glass top hung window c/w all accessories to manuf's detail and arch's approval.	LS	
31	(W8) Supply and install 2250mm (H) x 500mm (W) Black Anodized alumn. frame 6mm thk. tempered glass top hung window & fixed window c/w all accessories to manuf's detail and arch's approval.	LS	
32	(W9) Supply and install 2250mm (H) x 500mm (W) Black Anodized alumn. frame fixed glass window and opening with 6mm thk. tempered glass c/w all accessories to manuf's detail and arch's approval.	LS	
33	(W11) Supply and install 2250mm (H) x 3350mm (W) Black Anodized 'Shopfront' alumn. frame 6mm thk. tempered glass fixed window c/w all accessories to manuf's detail and arch's approval.	LS	
34	(W12) Supply and install 2250mm (H) x 8840mm (W) Alumn. frame 65mm thk. solid timber collapsible flush folding window c/w all accessories to manuf's detail and arch's approval.	LS	
35	(W13) To make good (repair/replace broken parts/rubber sealer/glass) 1500mm (H) x 3350mm (W) ex. casement window as per arch's approval.	LS	
36	(D1) Supply and install 2400mm (H) x 1700mm (W) Aluminium Frameless Double Leaf 12mm thk. Tempered Glass Door and S/Steel Mirror Effect Architrave c/w all accessories to manuf's detail and arch's approval.	LS	
37	(D2) Supply and install 2400mm (H) x 1500mm (W) Metal Frame Double Leaf Laminate Flush Solid Timber Door c/w Vision Panel & all accessories to manuf's detail and arch's approval.	LS	
38	(D3) Supply and install 2400mm (H) x 900mm (W) Metal Frame Single Leaf Laminate Flush Solid Timber Door c/w Vision Panel & all accessories to manuf's detail and arch's approval.	LS	
39	(D4) Supply and install 2400mm (H) x 3350mm (W) Black Anodized 'Shopfront' Single Leaf Aluminium Frame 12mm thk. Tempered Glass Door c/w 12mm thk. Tempered Glass Panel & all accessories to manuf's detail and arch's approval.	LS	
40	(D5) Supply and install 2400mm (H) x 3350mm (W) Black Anodized 'Shopfront' Aluminium Frame Double Leaf 12mm thk. Tempered Glass Door c/w 12mm thk. Tempered Glass Panel & all accessories to manuf's detail and arch's approval.	LS	
41	(D6) Supply and install 2100mm (H) x 1500mm (W) Alumn. frame Double Leaf alumn louvers door c/w all accessories to manuf's detail and arch's approval.	LS	
42	(D7) Supply and install 2100mm (H) x 900mm (W) Alumn. frame Single Leaf alumn louvers door c/w all accessories to manuf's detail and arch's approval.	LS	

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Keterangan : 2.1 - KERJA AWAM / ARKITEK

BIL	KETERANGAN	UNIT	HARGA (RM)
43	(D9) Supply and install 2100mm (H) x 1150mm (W) Aluminium Frame Roller Shutter Door c/w all accessories to manuf's detail and arch's approval.	LS	
44	(D11) Supply and install 2400mm (H) x 1350mm (W) Metal Frame Double Leaf 12mm thk. Tempered Glass Door c/w all accessories to manuf's detail and arch's approval.	LS	
45	(D12) Supply and install 2400mm (H) x 8850mm (W) Aluminium Frame 65thk. Collapsible Acoustic Folding Door c/w all accessories to manuf's detail and arch's approval.	LS	
46	(D13) Supply and install 2400mm (H) x 7600mm (W) Aluminium Frame 65thk. Collapsible Acoustic Folding Door c/w all accessories to manuf's detail and arch's approval.	LS	
47	Any other works which are not mentioned in this schedule of works but are shown on drawings, specification or schedule of finishes :		
	i)	LS	
	ii)	LS	
	iii)	LS	
	No extra claim shall be entertained for failure by tenderer to comply with this requirement		
	TANDAS		
1	(D10) Supply and install 2100mm (H) x 1100mm (W) Aluminium Frame Single Leaf Laminate Solid Timber Flush Door c/w all accessories to manuf's detail and arch's approval.	LS	
2	(D8) Supply and install 2100mm (H) x 900mm (W) Metal Frame Solid Timber Flush Door c/w all accessories to manuf's detail and arch's approval.	LS	
3	(W10) Supply and install 1160mm (H) x 1000mm (W) Alumn. frame fixed alumn louvers c/w all accessories to manuf's detail and arch's approval.	LS	
4	Supply and lay 20mm thk cement and sand (1:3) as specified screed bedding trowelled hard to receive new floor tiles as per manuf's detail and arch's approval.	LS	
5	Supply and install new selected 300mm x 300mm Non Slip Homogenous Floor Tiles to manuf's detail and arch's approval.	LS	
6	Supply and install new selected 600mm x 300mm Homogenous Wall Tiles to manuf's detail and arch's approval.	LS	
7	Prepare surfaces, supply and apply new 3 layers of cementitious waterproofing coating for all surfaces of slab, wall up to 1500mm height and others related as per manuf's detail and arch's approval.	LS	
8	Supply and install new scupper drain at 25mm depth as per arch's aproval.	LS	

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Keterangan : 2.1 - KERJA AWAM / ARKITEK

BIL	KETERANGAN	UNIT	HARGA (RM)
9	Construct New 100mm (H) concrete kerb finish with 300mm x 300mm non slip H.D floor tiles as per specification and arch's approval.	LS	
10	Supply and install New Alumn. Frame Bracket Mirror Panel overall size 900mm x 1050mm as specified including all fittings & accessories as per manuf's detail and arch's approval.	LS	
11	Construct New Reinforced Concrete Table Top Finish With 600mm X 600mm Homogeneous Tiles C/W New S/Steel Tap, Semi Recessed Basin C/W All Accessories With Bottle Trap System To Arch's Approval.	LS	
12	Supply Deliver And Install New Selected Close Coupled Washdown Pedestal Wc With Water Efficiency System, P-Trap System C/W Stainless Steel Tap And Selected Hand Nozzel C/W Right Angle Stop Valve With Quarter Turn Headwork And Metal Handle, 1200mm Heavy Duty Flexible Hose And Wall Bracket As Per Specification, Instruction And S.O Approval (Flush Tank C/W Dual Flush Valve).	LS	
13	Supply And Install New 10mm Thk. X 2100mm High Solid Compact Laminated Phenolic Board Comprising Of S/Steel Indicator Lockset, Granity Hinges, S/Steel Coat Hook With Door Stopper, Alumn. Headrails & Wall Channel To Manufacturer's Specification Detail & Arch's Approval. (Alumn. Capping (Above) To Hold The Phenolic Board)	LS	
14	Supply and install New 112.5mm Thk Brickwall With 20mm Cement Plaster On Bothsides Finished With 600mm X 300mm Homogeneous Wall Tiles To S.O. Approval.	LS	
15	Supply and install New Concrete Imprint Floor Finished To S.O. Approval.	LS	
16	Supply and install New 9mm Thk. 600mm X 600mm Suspended Ceiling C/W All Accessories To Manuf's Detail & Arch's Approval (Ceiling Height To Be Adjust On Site)	LS	
17	Supply and install New 112.5mm Thk Brickwall With 20mm Cement Plaster On Bothsides Finished With Selected Interior Paint To Arch's Approval	LS	
18	Supply and install New Metal Frame Single Leaf Timber Flush Sliding Door C/W All Accessories To Manuf's Detail & Arch's Approval	LS	
19	All Internal & External Wall (Affected Area) To Be Make Good & Scrapper, Scheme, Paint With 2 Layer Under Coat & Selected Interior/ Exterior Paint To Manuf's Detail & Arch's Approval.	LS	
20	Supply and install New 1100mm(W) X 800(H), 9mm Thk. Face Mirror With Bever Edges To Manuf's Detail & Arch's Approval (7° Tendency)	LS	
21	Supply and install New Disabled Ceramic Wall Hung Basin, S/Steel Tap, C/W All Accessories With Bottle Trap System To Manuf's Detail & Arch's Approval	LS	

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Keterangan : 2.1 - KERJA AWAM / ARKITEK

BIL	KETERANGAN	UNIT	HARGA (RM)
22	Supply and install New 700mm (L) X 280mm(H) X 32mm @? S/Steel Fordable 90° Vertical Rotation Disabled Grab Bar To Manuf's Detail & Arch's Approval	LS	
23	Supply and install New 800mmx 32mm P, S/Steel Disabled Grab Bar To Manuf's Detail & Arch's Approval	LS	
24	Supply and install New 1125mm(W) X 600(0) Mmx 50mm(H) Concrete Ramp Finished With 300mm X 300mm Non-Slip H.D. Floor Tiles To S.O. Approval.	LS	
25	Existing soffit surface to be make good & painted with interior paint as per Arch's approval	LS	
26	Any other works which are not mentioned in this schedule of works but are shown on drawings, specification or schedule of finishes :		
	i)	LS	
	ii)	LS	
	iii)	LS	
	No extra claim shall be entertained for failure by tenderer to comply with this requirement		
JUMLAH (RM)			