FOLDER 9

Perancangan Kos Projek

MICROSOFT PROJECT

PERANCANGAN KOS PROJEK



Perancangan Kos Projek

Merupakan proses yang diperlukan untuk memastikan projek dapat disiapkan dalam lingkungan bajet yang diluluskan



Perancangan Kos

Cost Estimate

- Kos disediakan pada tahap sub task
- Kos disediakan berdasarkan kepada perbelanjaan sumber (4M) yang diperlukan untuk menyiapkan projek (kos BQ)

Perancangan Kos

Cost Budgeting

- Bajet kontraktor untuk melaksanakan kerja berdasarkan cost estimate (berdasarkan kos melaksanakan kerja)
- Bajet berdasarkan harga kontrak (kos kontrak)
- Kos baseline / financial s-curve

MICROSOFT PROJECT

Hands-On



Cost Estimate

File	Та	sk Resource Project	View	Format									
antt	Task	 B Network Diagram ▼ Calendar ▼ Other Views ▼ 	Team	source Usage * A source Sheet * Z her Views * *	Outline	Table	Filter:	[No Highligh [No Filter] [No Group]	t] * *	Timescal [29] Day	e: s • Zoom	Entire Selected	D
	osuge	Task Views	Resourc	e Views		Buil	t-In				Zoom	The sector has to	
	Tas	k Name 👻	Fixed Cost 💂	Fixed Cost Accrual 🗸	Total Cos	v	<u>C</u> ost		ctual	-	Remaining 🖕	Add New Colum	n 🛨
1	- 6	Projek JKR - Membina 2 blol	RM0.00	Prorated	RM		<u>E</u> ntry			RM0.00	RM0.00		
2		Projek Mula	RM0.00	Prorated	RM		<u>H</u> yperlink			RM0.00	RM0.00		
3		 Preliminaries 	RM0.00	Prorated	RM		<u>S</u> chedule			RM0.00	RM0.00		
4		Performance Bond & I	RM0.00	Prorated	RM		Tracking			RM0.00	RM0.00		
5		Establish & Removal S	i RM0.00	Prorated	RM		Variance			RM0.00	RM0.00		
6		Establish Site Offic	RM0.00	Prorated	RM		vanance			RM0.00	RM0.00		
7		Removal Site Office	RM0.00	Prorated	RM		Work			RM0.00	RM0.00		
8		Maintenance of Site O	RM0.00	Prorated	RM		S <u>u</u> mmary			RM0.00	RM0.00		
9		+ Laporan Kemajuan	RM0.00	Prorated	RM		Usa <u>q</u> e			RM0.00	RM0.00		
15	5	Land Acquisition (Blok A	RM0.00	Prorated	RM		Reset to Default			RM0.00	RM0.00		
16	5	Services Relocation (Blo	RM0.00	Prorated	RM		Save Fields as a l	New Table		RM0.00	RM0.00		
17	7	- Blok A	RM0.00	Prorated	RM		More Tables			RM0.00	RM0.00		
18	3	Kerja Tanah	RM0.00	Prorated	RM		More Tables			RM0.00	RM0.00		
19	9	Kerja Structure	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		
20)	Kerja Arkitek	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		
21	L	Kerja M&E	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		
22	?	- Blok B	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		
23	3	Kerja Tanah	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		
24	1	Kerja Structure	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		
25	5	Kerja Arkitek	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		
26	5	Kerja M & E	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		
27	7	Completion of Cable Layi	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		
28	3	Testing & Commissioning	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		
29	9	Projek Siap	RM0.00	Prorated	RMO	0.00	RM0.00	RM0.00		RM0.00	RM0.00		

Fixed Cost & Total Cost

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	Task Name	-	Fixed Cost 🚽 Fixed	Cost Accru	1.	Total Cost 🚽 🚽	Base	ine 🖕	Variance 🚽	Actual 🖕	Remaining 🚽	30 J	an '11	3 Apr	'11	5 Jun	'11 7	Aug '	11	9 Oct '1
1	Projek JKR - Membina blok bangunan	2	RM0.00	Pror	ated	RM2,000,000.00		RM0.00	RM2,000,000.00	RM0.00	RM2,000,000.00		9	3	IVI		VV I	-	3	3
2	Projek Mula		RM0.00	Pro	ated	RM0.00		RM0.00	RM0.00	RM0.00	RM0.00	1	\$-1/	3						
3	Preliminaries		RM0.00	Pro	ated	RM50,000.00		RM0.00	RM50,000.00	RM0.00	RM50,000.00	l ſ	φ 			_)	
4	Performance Bo	nd & I	RM10,000.00	Pro	ated	RM10,000.00		RM0.00	RM10,000.00	RM0.00	RM10,000.00		ЧЪ –							
5	Establish & Rem	oval Si	RM0.00	Pror	ated	RM20,000.00		RM0.00	RM20,000.00	RM0.00	RM20,000.00					-		φ.		
6	Establish Site	Offic	RM14,000.00	Pro	ated	RM14,000.00		RM0.00	RM14,000.00	RM0.00	RM14,000.00		•							
7	Removal Site	Office	RM6,000.00	Pro	ated	RM6,000.00		RM0.00	RM6,000.00	RM0.00	RM6,000.00		-					₩ ₁		
8	Maintenance of	Site O	RM15,000.00	Pro	ated	RM15,000.00		RM0.00	RM15,000.00	RM0.00	RM15,000.00)							
9	😑 Laporan Kemaju	an	RM0.00	Pro	ated	RM5,000.00		RM0.00	RM5,000.00	RM0.00	RM5,000.00		-	I I	1	L 🕴	- E.			
10	Laporan Kem	ajuan	RM1,000.00	Pro	ated	RM1,000.00		RM0.00	RM1,000.00	RM0.00	RM1,000.00		-	L						
11	Laporan Kem	ajuan	RM1,000.00	Pro	ated	RM1,000.00		RM0.00	RM1,000.00	RM0.00	RM1,000.00			1						
12	Laporan Kem	ajuan	RM1,000.00 Prora	ted	-	RM1,000.00		RM0.00	RM1,000.00	RM0.00	RM1,000.00				1					
13	Laporan Kem	ajuan	RM1,000.00	Pro	ated	RM1,000.00		RM0.00	RM1,000.00	RM0.00	RM1,000.00									
14	Laporan Kem	ajuan	RM1,000.00	Pro	ated	RM1,000.00		RM0.00	RM1,000.00	RM0.00	RM1,000.00									
15	Land Acquisition (lok A	RM0.00	Pro	ated	RM0.00		RM0.00	RM0.00	RM0.00	RM0.00	4	•∲ _1/	3						
16	Services Relocatio	(Blok	RM0.00	Pro	ated	RM0.00		RM0.00	RM0.00	RM0.00	RM0.00	9	₩ _1/	3						
17	Blok A		RM0.00	Pro	ated	RM1,050,000.00		RM0.00	RM1,050,000.00	RM0.00	RM1,050,000.00					_		ЬI		
18	Kerja Tanah		RM200,000.00	Pro	ated	RM200,000.00		RM0.00	RM200,000.00	RM0.00	RM200,000.00		•	_		Earthw	ork tean	[2]		
19	Kerja Structure		RM400,000.00	Pro	ated	RM400,000.00		RM0.00	RM400,000.00	RM0.00	RM400,000.00		- - -	9	[Struktur t	eam	3]	
20	Kerja Arkitek		RM250,000.00	Pro	ated	RM250,000.00		RM0.00	RM250,000.00	RM0.00	RM250,000.00					9		Ark	itek to	eam[3]
21	Kerja M&E		RM200,000.00	Pro	ated	RM200,000.00		RM0.00	RM200,000.00	RM0.00	RM200,000.00					<u>-</u> 44		M&E	team	[2]
22	Blok B		RM0.00	Pro	ated	RM900,000.00		RM0.00	RM900,000.00	RM0.00	RM900,000.00					-		D		
23	Kerja Tanah		RM180,000.00	Pro	ated	RM180,000.00		RM0.00	RM180,000.00	RM0.00	RM180,000.00)							
24	Kerja Structure		RM290,000.00	Pro	ated	RM290,000.00		RM0.00	RM290,000.00	RM0.00	RM290,000.00		<u>t</u>		_					
25	Kerja Arkitek		RM200,000.00	Pro	ated	RM200,000.00		RM0.00	RM200,000.00	RM0.00	RM200,000.00		-					}− Ar	kitek [.]	team[2]
26	Kerja M & E		RM230,000.00	Pro	ated	RM230,000.00		RM0.00	RM230,000.00	RM0.00	RM230,000.00					հ ա		Ŀ١		
27	Completion of Cab	e Layi	RM0.00	Pro	ated	RM0.00		RM0.00	RM0.00	RM0.00	RM0.00								28/8	
28	Testing & Commiss	ioning	RM0.00	Pro	ated	RM0.00		RM0.00	RM0.00	RM0.00	RM0.00							B		
29	Projek Siap		RM0.00	Pro	ated	RM0.00		RM0.00	RM0.00	RM0.00	RM0.00							₩¢	30/8	
DOM: N		10.00					2020					Topp:	0.000	a a a a a	8,80,80	a a a b		00000	0.000	- [.8.8.8.94]

Fixed Cost Accrual (kaedah pembayaran)



🖃 Laporan Kemajuan	RM0.00	Prorated	RM5,000.00	
Laporan Kemajuan	RM1,000.00	Prorated	RM1,000.00	ļ
Laporan Kemajuan	RM1,000.00	Prorated	RM1,000.00	Ę
Laporan Kemajuan	RM1,000.00	Prorated	RM1,000.00	l
Laporan Kemajuan	RM1,000.00	Start	RM1,000.00	l
Laporan Kemajuan	RM1,000.00	Prorated End	RM1,000.00	ļ
Land Acquisition (Blok A	RMO.00	Prorated	RM0.00	I
Services Relocation (Blok	RM0.00	Prorated	RM0.00	I
Blok A	RM0.00	Prorated	RM1,050,000.00	I
Kerja Tanah	RM200,000.00	Prorated	RM200,000.00	F
· · · · ·				



	Task Name 💂	Fixed Cost 🚽	Fixed Cost Accrual 🖕	Total Cost 🔶	Baseline 🖕	Variance 💂	Actual 🖕	Remaining 🖕
1	Projek JKR - Membina 2 blok bangunan	RM0.00	Prorated	RM2,000,000.00	RM0.00	RM2,000,000.00	RM0.00	RM2,000,000.00
2	Projek Mula	RM0.00	Prorated	RM0.00	RM0.00	RM0.00	RM0.00	RM0.00
3	Preliminaries	RM0.00	Prorated	RM50,000.00	RM0.00	RM50,000.00	RM0.00	RM50,000.00
4	Performance Bond & I	RM10,000.00	Prorated	RM10,000.00	RM0.00	RM10,000.00	RM0.00	RM10,000.00
5	Establish & Removal Si	RM0.00	Prorated	RM20,000.00	RM0.00	RM20,000.00	RM0.00	RM20,000.00
6	Establish Site Offic	RM14,000.00	Prorated	RM14,000.00	RM0.00	RM14,000.00	RM0.00	RM14,000.00
7	Removal Site Office	RM6,000.00	Prorated	RM6,000.00	RM0.00	RM6,000.00	RM0.00	RM6,000.00
8	Maintenance of Site O	RM15,000.00	Prorated	RM15,000.00	RM0.00	RM15,000.00	RM0.00	RM15,000.00
9	Laporan Kemajuan	RM0.00	Prorated	RM5,000.00	RM0.00	RM5,000.00	RM0.00	RM5,000.00
10	Laporan Kemajuan	RM1,000.00	Prorated	RM1,000.00	RM0.00	RM1,000.00	RM0.00	RM1,000.00
11	Laporan Kemajuan	RM1,000.00	Prorated	RM1,000.00	RM0.00	RM1,000.00	RM0.00	RM1,000.00
12	Laporan Kemajuan	RM1,000.00	Prorated	RM1,000.00	RM0.00	RM1,000.00	RM0.00	RM1,000.00
13	Laporan Kemajuan	RM1,000.00	Prorated	RM1,000.00	RM0.00	RM1,000.00	RM0.00	RM1,000.00
14	Laporan Kemajuan	RM1,000.00	Prorated	RM1,000.00	RM0.00	RM1,000.00	RM0.00	RM1,000.00
15	Land Acquisition (Blok A	RM0.00	Prorated	RM0.00	RM0.00	RM0.00	RM0.00	RM0.00
16	Services Relocation (Blok	RM0.00	Prorated	RM0.00	RM0.00	RM0.00	RM0.00	RM0.00
17	Blok A	RM0.00	Prorated	RM1,050,000.00	RM0.00	RM1,050,000.00	RM0.00	RM1,050,000.00
18	Kerja Tanah	RM200,000.00	Prorated	RM200,000.00	RM0.00	RM200,000.00	RM0.00	RM200,000.00
19	Kerja Structure	RM400,000.00	Prorated	RM400,000.00	RM0.00	RM400,000.00	RM0.00	RM400,000.00
20	Kerja Arkitek	RM250,000.00	Prorated	RM250,000.00	RM0.00	RM250,000.00	RM0.00	RM250,000.00
21	Kerja M&E	RM200,000.00	Prorated	RM200,000.00	RM0.00	RM200,000.00	RM0.00	RM200,000.00
22	Blok B	RM0.00	Prorated	RM900,000.00	RM0.00	RM900,000.00	RM0.00	RM900,000.00
23	Kerja Tanah	RM180,000.00	Prorated	RM180,000.00	RM0.00	RM180,000.00	RM0.00	RM180,000.00
24	Kerja Structure	RM290,000.00	Prorated	RM290,000.00	RM0.00	RM290,000.00	RM0.00	RM290,000.00
25	Kerja Arkitek	RM200,000.00	Prorated	RM200,000.00	RM0.00	RM200,000.00	RM0.00	RM200,000.00
26	Kerja M & E	RM230,000.00	Prorated	RM230,000.00	RM0.00	RM230,000.00	RM0.00	RM230,000.00
27	Completion of Cable Layi	RM0.00	Prorated	RM0.00	RM0.00	RM0.00	RM0.00	RM0.00
28	Testing & Commissioning	RM0.00	Prorated	RM0.00	RM0.00	RM0.00	RM0.00	RM0.00
29	Projek Siap	RM0.00	Prorated	RM0.00	RM0.00	RM0.00	RM0.00	RM0.00



Memahami S-Curve Kewangan & Fizikal





Memahami S-Curve Kewangan & Fizikal





✓ Perform Financial S-Curve

- This curve is used in SKALA ~ Unjuran Kewangan.
 - Works Cost (RM) vs Project Duration (Month).
- Not to be confused with Physical S-curve.
 - Works Duration (days) vs Project Duration (Months)



A 100mil project shows the actual

physical progress of 50% and Client just

paid the Contractor 32mil.



Why? Why different? Not fair... Mostly.... Current practice

Question

A project shows the <u>variances</u> for <u>financial</u> <u>progress</u>, <u>physical progress</u> and <u>project finish</u> <u>date were -10%</u>, -15% and +20days respectively.

Please explain.



Latihan 4 : Penyediaan *S-Curve* Kewangan



✤ CLASS EXERCISE.

ΑCTIVITY	DURATION (Weeks)	COST (RM '000)
Α	4	24
В	5	30
С	4	16
D	2	50
E	2	80
F	3	18

CLASS EXERCISE.

Activity	Duration (weeks)	Cost (RM)	W1	W2	W3	W4	W5
Α	4	24 k					
В	5	30 k					
С	4	16 k					
D	2	50 k					
E	2	80 k					
18 F	3	18 k					

✤ CLASS EXERCISE.

Q.1 Plot the Financial S-Curve.

Q.2 Plot the Physical S-Curve.

Q.3 Combine the Financial S-Curve & Physical s-Curve in the same chart.

Q.3.5 Why Physical S-Curve show higher than Financial S-Curve ??

CLASS EXERCISE.



Q.4 What is the progress of the works at Week 3?

Q.5 At Week 3, how much can be claimed as payment for work done?

Q.6 At Week 3 the contractor actually achieved the following works:

- A done 1000/2000
- B done 2 of 5 columns
- C installed A/C units 1 of 4
- D no progress (0%)
- E no progress (0%)
- F done 100/300.

What's the progress & how much can be paid out?

SUMMARY.

- Be aware of the actual financial value of the works.
- Not to be misled into paying for works based on physical progress.
- This is the basis in deriving the financial S-curve and the physical S-curve.





Penyediaan S-Curve - Menggunakan Microsoft Project

Penyediaan S-Curve Kewangan



- MSP 2010 hanya boleh menghasilkan S-Curve Kewangan berdasarkan kepada laporan mingguan.
- Untuk menghasilkan S-Curve Kewangan berdasarkan laporan bulanan, guna MS Excel.



Untuk menyediakan S-CURVE Kewangan menggunakan MS Project 2010

✓ <u>Method 1</u> – using Visual Reports.

✓ <u>Method 2</u> – using Task Usage View.

MICROSOFT PROJECT

Hands-On







Penyediaan S-Curve – Menggunakan Visual Report

S-Curve Kewangan (i)

File	Task Resource Project	View For	mat						
ubproject	Project Custom Links Betv Information Fields Project	ween WBS Chang ts Vorking	je Calculate Time Project Bas	Set Move eline • Project	tus Date: 28/6/11 Upda Proje	ate Sync to ect Protected Actual	Visual Reports	rts Compare Projects	ng
Insert	Proper	ties	Sche	edule	St	atus Variance	hơ Repo	orts Proofi	lg h '11 3 Δpr '11
		Fixed Cost - Fixed	ed Cost Accrual 🚽		baseline 👻		ACU Visual Report	5	S S M
1	Projek JKR - Membina 2 blok bangunan	RM0.00	Prorated	RM2,000,000.00	RM0.00	RM2,000,000.00	View the pr PivotTables	oject's data in in Microsoft Excel and ms in Nicrosoft Visio	1
2	Projek Mula	RM0.00	Prorated	RM0.00	RM0.00	RM0.00	Professiona		⊳ 1/3
3	Preliminaries	RM0.00	Prorated	RM50,000.00	RM0.00	RM50,000.00	RM0.00	RM50,000.00	
4	Performance Bond & I	RM10,000.00	Prorated	RM10,000.00	RM0.00	RM10,000.00	RM0.00	RM10,000.00	₩ <u>−</u>
5	Establish & Removal Si	RM0.00	Prorated	RM20,000.00	RM0.00	RM20,000.00	RM0.00	RM20,000.00	
6	Establish Site Offic	RM14,000.00	Prorated	RM14,000.00	RM0.00	RM14,000.00	RM0.00	RM14,000.00	M
7	Removal Site Office	RM6,000.00	Prorated	RM6,000.00	RM0.00	RM6,000.00	RM0.00	RM6,000.00	
8	Maintenance of Site O	RM15,000.00	Prorated	RM15,000.00	RM0.00	RM15,000.00	RM0.00	RM15,000.00	▶[
9	🛨 Laporan Kemajuan	RM0.00	Prorated	RM5,000.00	RM0.00	RM5,000.00	RM0.00	RM5,000.00	
15	Land Acquisition (Blok A	RM0.00	Prorated	RM0.00	RM0.00	RM0.00	RM0.00	RM0.00	}_ 1/3
16	Services Relocation (Blok	RM0.00	Prorated	RM0.00	RM0.00	RM0.00	RM0.00	RM0.00	₩ _1/3
17	Blok A	RM0.00	Prorated	RM1,050,000.00	RM0.00	RM1,050,000.00	RM0.00	RM1,050,000.00	
18	Karia Tanah	PM200 000 00	Drorsterl	PM200.000.00		PM200.000.00		PM200.000.00	



S-Curve Kewangan (iii)



S-Curve Kewangan (iii)

To change from Quarter year view to weekly view

	Α	В	С	D	E	F	
1		Dre	op Page Fi	elds Here			
2							
3				Data			
4	Year 💌	Quarter	Week	Cost	Cumulative Cost		
5	■2011	<u> </u>	Week 9	10000	10000		
6		15	Week 10	49140.7	59140.69264		
7			Week 11	35140.7	94281.38528		
8			Week 12	35140.7	129422.0779		
9			Week 13	36140.7	165562.7706		
10		Q1 Total		165562.8	165562.7706		
11		⊟Q2	Week 14	35140.7	200703.4632		
12			Week 15	35140.7	235844.1558		
13			Week 16	35140.7	270984.8485		
14			Week 17	77569.27	348554.1126		
15			Week 18	104498.65	453052.7671		
16			Week 19	130623.32	583676.0852		
17			Week 20	130623.32	714299.4033		
18			Week 21	103986.95	818286.3578		
19			Week 22	109411.19	927697.5547		
20			Week 23	122744.53	1050442.085		
21			Week 24	123001.67	1173443.758		
22			Week 25	109122.91	1282566.667		
23			Week 26	94833.34	1377400		
24		Q2 Total		1211837.25	1377400		
25		□Q3	Week 27	93833.34	1471233.333		
26			Week 28	93833.34	1565066.667		
27			Week 29	93833.34	1658900		
28			Week 30	94833.34	1753733.333		
29			Week 31	93833.34	1847566.667		
30			Week 32	82404.77	1929971.429		
•	→ → Char	t1 Task I	Jsage 🌾		1005000 000		
-							

S-Curve Kewangan (iii)

Cash Flow Report





S-Curve Kewangan







Penyediaan S-Curve – Menggunakan *Task Usage*

7								S-C	ur	ve					
Fi	le Task	Reso	urce	Project	t View	Add-	Ins Acrob	at Form	at						
Gar Char Bui	itt t	∦ Cut ≧ Copy Ø Forma	▼ at Pai	Calil Inter	bri - I <u>U</u> Font	11 • • <u>A</u>	• 0× 25× • • •	50× 75× 100× 美福 日本 美海 Schedu	ק Mark o [©] Respec ⊖ Inactivi Ie	n Track ▼ t Links ate	Anual Schedu	Ily Auto Ie Schedule Tasks	nspect * 🍋 Nove * Task Node * *	 Summary Milestone Deliverable Insert 	 Informat
	<u>C</u> alendar		•	Task Name	!	-	Work 🖕	Duration 🖕 S	Details	11 Dec '11					
	Gantt Chart					- 2.0	c oco has	400 days	Cast	S		M	Т	W	
	– Network Dia	aram		Projek J	JKK-IVIEMDI	na z Bi	6,960 nrs	123 days	Cost	DM2 000	000.00	DM2 000 000 00	DM2 000 000 00	RM2 000 000 00	DM2 0/
	Resource She	et		Proje	ak Mula		0 brs	0 days	Cost	KIVI2,000,	000.00	KIVI2,000,000.00	KIVI2,000,000.00	RIVI2,000,000.00	KIVIZ,U
	Resource Lisa	de .		FIOJE	EK IVIUIA		01113	0 days	Cum. C						
	Resource <u>O</u> se	nge m		Preli	minaries		0 hrs	123 days	Cost						
	Resource For	m							Cum. C	RM50,	000.00	RM50,000.00	RM50,000.00	RM50,000.00	RM:
	Resource Gra	pn	4	Pe	rformance	Bond/	0 hrs	9 days	Cost						
	Tas <u>k</u> Usage	2	X						Cum. C	RM10,	000.00	RM10,000.00	RM10,000.00	RM10,000.00	RM:
	Task Form			= Sit	te Office		0 hrs	114 days	Cost						
	Task Sheet								Cum. C	RM20,	000.00	RM20,000.00	RM20,000.00	RM20,000.00	RM:
	Team <u>P</u> lanner				Establish o	of Site	0 hrs	3 days	Cost						
	Time <u>l</u> ine								Cum. C	RM15,	000.00	RM15,000.00	RM15,000.00	RM15,000.00	RM:
	Tracking Ga <u>n</u>	tt			Removal o	f Site (0 hrs	2 days	Cost						
B	Reset to Defa	ault							Cum. C	RM5,	000.00	RM5,000.00	RM5,000.00	RM5,000.00	RN
	Save V <u>i</u> ew			Ma	aintenance	of Site	0 hrs	113 days	Cost						
	More Views			t La	noran Kom		0 hrs	114 days	Cum. C	RIVI15,	000.00	RM15,000.00	RIVI15,000.00	RIVI15,000.00	RIVI.
ğ	Ŭ	~	· .	⊡ La	poran kema	ajuan	Unrs	114 days	Cum C	DMS	000.00	BM5 000 00	BM5 000 00	BM5 000 00	DA
< Us	23	2		Land	Acquisition		0 brs	0 days	Cost	NIVIO,	000.00	NN3,000.00	NW3,000.00	NW3,000.00	NIV
Tas		~		cana	Acquisition	. (BIOK	0113	o dayo	Cum. C						
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S-Curve

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2		3	Projek Mula	0 hrs	0 days	Cost										
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5		3	Site Office	0 hrs	2 ays	Cost	M20,0	000.00	RM20,000.0	00 RM20,00	0.00 RI	V120,000.00	RM20,000.00	RM20,000.0	0 RM20,0	00.00
6		3	Establish of Site	0 hrs	Se Detai Work	il <u>S</u> tyles	.0	00.00	RM15.00	RM15.00	0.00 BI	V15 000 00	RM15 000 00	RM15 000 0	0 RM15 (00.00
7		3	Removal of Site (0 hrs	Actua	al Work	.01	000.00	PM5 000 (DO PM5.00		2M5 000 00	PM5 000 00	PM5 000 0	0 PM5 (
8		3	Maintenance of Site	0 hrs	Basel	line Work	.061415	000.00	NNI5,000.	DO D1415.00	0.00	415,000.00	DN415 000 00	DM15 000.0	0 00415	
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23		2	Land Acquisition (Blok	0 hrs	Cumu Show	ulative Cost v Timeline	st	Usage	Details Usage F	Properties				A		
24		3	Services Relocation(Bl	0 hrs	Show	v Split	st	A <u>v</u> aila Actua	ble fields: al Cost			Sh <u>o</u> w	v these fields:		5	0,00
25		3	- Blok A	3,384 hrs	111 days	Cost	st	Actua Actua	al Fixed Cost al Overtime Work		Show	>> Cos Cum	t nulative Cost			0,00
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26		Þ	🖻 Kerja Tanah	880 hrs	55 days	Cost Cum. C	RM200	All Ta Basel	ask Rows line Budget Cost		-<- <u>H</u>	lide		-		0,00
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27		3	😑 Kerja Struktur	888 hrs	37 days	Cost	st	Font	t: Calibri 11 p	ot, Regular		1	d	hange <u>F</u> ont		
			Otwart and T	222/		Cum. C	RM400		background: A	atomatac	-					
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28		3	Kerja Arkitek	1,104 hrs	46 days	Cost							24		7	8,62
						Cum. C	RM250	t						ОК	Cancel	8,4410
			Architecture Tec	1,104 hrs		Cost			D1 45 000	D1 100 F05						
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29		⇒	Kerja M&E	512 hrs	32 days	Cost										





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		6	Tas Mo 🔻	Task Name	Details	3rd Quarter			4th Quarter	
						Jul	Aug	Sep	Oct	Nov
	1		₽	Projek JKR-Membina 2 Blok	Cost	RM148,646.52	RM443,658.55	RM541,945.82	RM547,747.84	RM200,689.42
				Bangunan	Cum. C	RM265,958.37	RM709,616.91	RM1,251,562.73	RM1,799,310.57	RM2,000,000.00
	2		3	Projek Mula	Cost					
			_		Cum. C					
	3		3	Preliminaries	Cost	RM3,555.61	RM3,614.87	RM3,482.12	RM3,555.61	RM8,298.12
					Cum. C	RM31,049.27	RM34,664.14	RM38,146.27	RM41,701.88	RM50,000.00
	4		₽	Performance	Cost					
				Bond/Insurance	Cum. C	RM10,000.00	RM10,000.00	RM10,000.00	RM10,000.00	RM10,000.00
	5		₽	Site Office	Cost					RM5,000.00
					Cum. C	RM15,000.00	RM15,000.00	RM15,000.00	RM15,000.00	RM20,000.00
	6		3	Establish of Site Office	Cost					
					Cum. C	RM15,000.00	RM15,000.00	RM15,000.00	RM15,000.00	RM15,000.00
	7		3	Removal of Site Office	Cost					RM5,000.00
					Cum. C					RM5,000.00
	8		₽	Maintenance of Site	Cost	RM2,787.61	RM2,654.87	RM2,522.12	RM2,787.61	RM2,522.12
				Office	Cum. C	RM4,513.27	RM7,168.14	RM9,690.27	RM12,477.88	RM15,000.00
sage	9	Ð	3	± Laporan Kemajuan	Cost	RM768.00	RM960.00	RM960.00	RM768.00	RM776.00
Ĵ					Cum. C	RM1,536.00	RM2,496.00	RM3,456.00	RM4,224.00	RM5,000.00
Tag	23		3	Land Acquisition (Blok A &	Cost					
				Blok B)	Cum. C					
	24		3	Services Relocation(Blok B)	Cost					
38					Cum. C					



Tas	Task Name	Details					\sim
Mo▼	•		3rd Quarter			4th Quarter	2
			Jul	Aug	Sep	Oct	Nov
₽	Projek JKR-Membina 2 Blok	Cost	RM148,646.52	RM443,658.55	RM541,945.82	RM547,747.84	RM200,582.42
	Bangunan	Cum. C	RM265,958.37	RM709,616.91	RM1,251,562.73	RM1,799,310.57	RM2,000,000.00

Copy data direct from MSP to Excel.

	Jun '11	Julai '11	Ogos '11	Sept '11	Okt '11	Nov '11
Cost	RM117,311.84	RM148,646.52	RM443,658.55	RM541,945.82	RM547,747.84	RM200,689.42
Cumulative Cost	RM117,311.85	RM265,958.37	RM709,616.91	RM1,251,562.73	RM1,799,310.57	RM2,000,000.00

Then, plot S-Curve in Excel.



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MICROSOFT PROJECT



FINAL SUMMARY.

- Financial S-Curve obtained from the approved Work Programme.
- More realistic reporting based on the approved Work Programme.
- Contractor has to perform based on the financial cash flow that has been planned.