

FOLDER 5

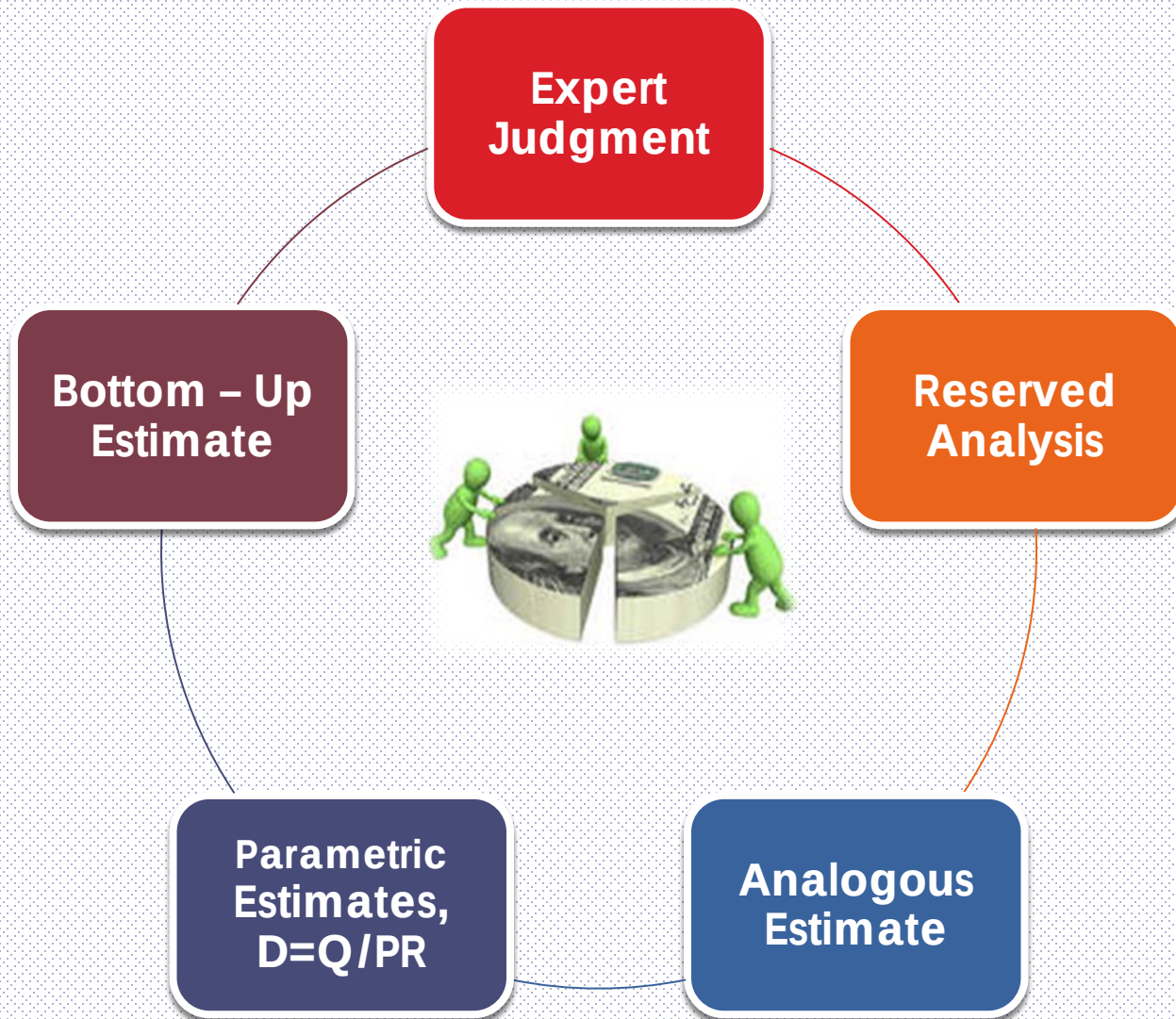
- **Activity Duration Estimate (ADE)**

MICROSOFT PROJECT



PERANCANGAN JADUAL KERJA - *Activity Duration Estimate*

Teknik Anggaran



Teknik Anggaran

No.	Teknik Anggaran	Keterangan
1.	Analogous Estimate	Use the actual cost of a previous, similar project as the basis for the new estimate (e.g: project with std design)
2.	<u>Bottom – Up Estimate</u>	Estimate individual work items and sum them to get total estimate
3.	<u>Parametric Estimates</u> D=Q/PR	Use project characteristics in mathematic model to estimate
4.	Expert Judgment	Expertise that has been acquired in a specific knowledge area (personal experience)
5.	<u>Reserve Analysis</u>	Consider risk at that respective time

Latihan 2 : *Activity Duration Estimate*



ANGGARAN PARAMETRIK (D = Q/PR)

Blok A

Bil	Aktiviti	Bil Gang	Qty = m3/d/g	Q= Quantity	Productn rate, PR = gang x qty	Risk consideration	Tempoh, D=Q/PR
1	Kerja tanah	2	1000	100,000.00	2,000.00	10%+	
2	Kerja Struktur	3	100	9,000.00	300.00	Testing : 7 days	
3	Kerja Arkitek	3	100	12,000.00	300.00	Delivery : 10 d	
4	M&E	2	40	2,400.00	80.00	Procurement : 5 d	

Blok B

Bil	Aktiviti	Bil Gang	Qty = m3/d/g	Q= Quantity	Productn rate, PR = gang x qty	Risk consideration	Tempoh, D=Q/PR
1	Kerja tanah	3	800	120,000.00	2,400.00	10%+	
2	Kerja Struktur	3	100	12,000.00	300.00	Testing :7 days, Access : 5%	
3	Kerja Arkitek	2	150	15,000.00	300.00	Delivery : 10 d	
4	M&E	2	50	5,000.00	100.00	Procurement : 5 d	

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Hands-On



Anggaran Parametrik

		Task Mode ▾	WBS ▾	Task Name	Duration ▾	Start ▾	Finish ▾	Predecessors ▾	Resource Names ▾
1			1	[-] Projek JKR - Membina 2 blok bangunan	166 days?	1 Mar '11	18 Oct '11		
2			1.1	Projek Mula	0 days	1 Mar '11	1 Mar '11		
3			1.2	[-] Preliminaries	166 days?	1 Mar '11	18 Oct '11		
4			1.2.1	Performance Bond & Insurance	1 day?	1 Mar '11	1 Mar '11	2	
5			1.2.2	[-] Establish & Removal Site Office	165 days?	2 Mar '11	18 Oct '11		
6			1.2.2.1	Establish Site Office	1 day?	2 Mar '11	2 Mar '11	4	
7			1.2.2.2	Removal Site Office	1 day?	18 Oct '11	18 Oct '11	20FF,25FF,28FF	
8			1.2.3	Maintenance of Site Office	1 day?	2 Mar '11	2 Mar '11	6SS	
9			1.2.4	[+] Laporan Kemajuan	88 days	25 Mar '11	26 Jul '11		
15			1.3	Land Acquisition (Blok A & B)	0 days	1 Mar '11	1 Mar '11	2	
16			1.4	Services Relocation (Blok B only)	0 days	1 Mar '11	1 Mar '11	15	
17			1.5	[-] Blok A	142 days	2 Mar '11	15 Sep '11		
18			1.5.1	Kerja Tanah	55 days	2 Mar '11	17 May '11	4,15	Earthwork team[2]
19			1.5.2	Kerja Structure	37 days	18 May '11	7 Jul '11	18	Struktur team[3]
20			1.5.3	Kerja Arkitek	50 days	8 Jul '11	15 Sep '11	19	Arkitek team[3]
21			1.5.4	Kerja M&E	35 days	8 Jul '11	25 Aug '11	19	M&E team[2]
22			1.6	[-] Blok B	164 days	2 Mar '11	17 Oct '11		
23			1.6.1	Kerja Tanah	55 days	2 Mar '11	17 May '11	4,16	Earthwork team[3]
24			1.6.2	Kerja Structure	49 days	18 May '11	25 Jul '11	23	Struktur team[3]
25			1.6.3	Kerja Arkitek	60 days	16 Jul '11	17 Oct '11	24	Arkitek team[2]
26			1.6.4	Kerja M & E	55 days	26 Jul '11	10 Oct '11	24	M & E team[2]
27			1.7	Completion of Cable Laying By TNB	0 days	17 Oct '11	17 Oct '11	21FS+5 days,26FS+5 d	
28			1.8	Testing & Commissioning	1 day?	18 Oct '11	18 Oct '11	27	
29			1.9	Projek Siap	0 days	18 Oct '11	18 Oct '11	3,17,22,28	

Anggaran Tempoh Kerja keseluruhan

		Task Mode	WBS	Task Name	Duration	Start	Finish	Predecessors	Resource Names
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Untuk Lihat Keseluruhan Jadwal

