

Lampiran 3

Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 1

Pagi (08.20-9.20)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	45	5.35	0.0892	403.48
30%	45	4.87	0.0812	443.25
30%	120	10.44	0.1740	167.90
30%	90	20.87	0.3478	89.43
30%	90	21.26	0.3543	87.79
30%	90	22.57	0.3762	82.70
total			26.1357	
rata-rata		18.668		129.77

Siang (13.00-14.00)

30%	45	4.97	0.0828	403.17
30%	120	9.59	0.1598	169.67
30%	90	7.57	0.1262	228.87
30%	75	7.46	0.1243	244.37
30%	90	8.45	0.1408	205.04
30%	75	18.66	0.3110	97.69
30%	75	18.39	0.3065	99.13
30%	75	18.04	0.3007	101.05
total			24.2607	
rata-rata		15.007		137.338

Sore (14.50-15.50)

30%	120	37.08	0.6180	36.34
30%	120	33.49	0.5582	40.23
30%	120	33.16	0.5527	40.63
30%	120	32.53	0.5422	41.42
30%	120	31.36	0.5227	42.97
30%	120	31.56	0.5260	42.69
total			20.0907	
rata-rata		26.7876		70.8274

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 2

Pagi (8.10-9.10)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	90	23.89	0.3982	83.86
30%	90	21.76	0.3627	92.07
30%	90	21.86	0.3643	91.65
30%	90	22.17	0.3695	90.37
30%	90	24.53	0.4088	81.67
total rata-rata		18.70188889	28.0528	136.39

Siang (13.30-14.30)

30%	45	4.97	0.0828	422.60
30%	120	9.59	0.1598	177.84
30%	90	18.74	0.3123	96.91
30%	90	18.41	0.3068	98.65
30%	90	18.02	0.3003	100.78
30%	90	19.11	0.3185	95.03
total rata-rata		16.061	25.4297	129.622

Sore (15.00-16.00)

30%	120	37.7	0.6283	38.15
30%	120	35.49	0.5915	40.52
30%	120	37.08	0.6180	38.79
30%	120	33.49	0.5582	42.94
30%	120	33.16	0.5527	43.37
30%	120	32.53	0.5422	44.21
30%	120	31.36	0.5227	45.86
total rata-rata		29.2420	21.4442	67.9222

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 3

Pagi (08.45-09.45)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	120	26.44	0.4407	71.31
30%	120	24.97	0.4162	75.51
30%	120	23.63	0.3938	79.79
30%	120	24.69	0.4115	76.36
30%	120	26.01	0.4335	72.49
30%	120	26.09	0.4348	72.27
	total		28.1122	
	rata-rata	18.95202247		135.28

Siang (12.45-13.45)

30%	90	19.11	0.3185	94.17
30%	120	10.03	0.1672	168.49
30%	120	11.03	0.1838	153.22
30%	120	9.97	0.1662	169.51
30%	120	9.49	0.1582	178.08
30%	120	9.59	0.1598	176.22
	total		25.1982	
	rata-rata	15.749		127.983

Sore (15.00-16.00)

30%	180	36.59	0.6098	36.78
30%	180	37.7	0.6283	35.69
30%	120	35.49	0.5915	43.10
30%	120	37.08	0.6180	41.26
30%	120	33.49	0.5582	45.68
30%	120	33.16	0.5527	46.13
30%	120	32.53	0.5422	47.03
30%	120	31.36	0.5227	48.78
	total		22.8093	
	rata-rata	31.1036		58.2347

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 4

Pagi (09.00-10.00)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	120	26.37	0.4395	71.61
30%	120	26.44	0.4407	71.42
30%	120	24.97	0.4162	75.63
30%	120	23.63	0.3938	79.92
30%	120	24.69	0.4115	76.48
30%	120	26.01	0.4335	72.60
30%	120	26.09	0.4348	72.38
		total	28.1567	
		rata-rata	18.982	134.36

Siang (13.30-14.30)

30%	90	20.52	0.3420	94.62
30%	90	20.21	0.3368	96.07
30%	90	18.3	0.3050	106.09
30%	90	19.54	0.3257	99.36
30%	90	19.96	0.3327	97.27
30%	90	19.69	0.3282	98.61
30%	90	19.62	0.3270	98.96
		total	27.1867	
		rata-rata	16.992	128.984

Sore (15.00-16.00)

30%	180	36.59	0.6098	37.93
30%	180	37.7	0.6283	36.81
30%	120	35.93	0.5988	43.91
30%	120	35.73	0.5955	44.16
30%	120	36.72	0.6120	42.97
30%	120	32.27	0.5378	48.89
30%	120	35.09	0.5848	44.97
30%	120	35.47	0.5912	44.48
		total	23.5258	
		rata-rata	31.3678	59.9753

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 5

Pagi (08.40-9.40)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	120	25.44	0.4240	72.26
30%	120	26.37	0.4395	69.71
30%	120	26.44	0.4407	69.53
30%	120	24.97	0.4162	73.62
30%	120	23.63	0.3938	77.79
30%	120	24.69	0.4115	74.45
total			27.4087	
rata-rata		18.90252874		128.84

Siang (14.00-15.00)

30%	90	19.19	0.3198	97.28
30%	90	19.48	0.3247	95.84
30%	90	19.47	0.3245	95.89
30%	90	20.75	0.3458	89.97
30%	90	20.64	0.3440	90.45
30%	90	17.37	0.2895	107.48
30%	90	17.6	0.2933	106.07
30%	90	19.67	0.3278	94.91
total			26.1413	
rata-rata		17.236		123.196

Sore (15.00-16.00)

30%	120	33.89	0.5648	39.47
30%	120	33.05	0.5508	40.47
30%	120	33.86	0.5643	39.50
30%	120	36.76	0.6127	36.38
30%	120	36.6	0.6100	36.54
30%	120	32.41	0.5402	41.27
30%	120	32.74	0.5457	40.85
30%	120	35.47	0.5912	37.71
total			19.9423	
rata-rata		26.5898		59.6891

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 6

Pagi (9.10-10.10)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	180	24.76	0.4127	67.55
30%	180	26.69	0.4448	62.67
30%	180	25.12	0.4187	66.58
30%	180	24.9	0.4150	67.17
30%	180	24.71	0.4118	67.69
30%	180	25.15	0.4192	66.50
total			28.3505	
rata-rata		18.90033333		138.92

Siang (12.30-13.30)

30%	90	19.18	0.3197	92.61
30%	90	17.67	0.2945	100.52
30%	90	19.64	0.3273	90.44
30%	90	19.29	0.3215	92.08
30%	120	11.38	0.1897	146.58
30%	120	9.93	0.1655	167.98
30%	120	8.35	0.1392	199.77
total			24.8713	
rata-rata		15.875		123.903

Sore (15.00-16.00)

30%	90	24.13	0.4022	55.98
30%	90	23.82	0.3970	56.71
30%	90	26.43	0.4405	51.11
30%	75	12.75	0.2125	111.48
30%	75	15.84	0.2640	89.73
30%	75	14.57	0.2428	97.56
30%	75	12.75	0.2125	111.48
total		1134.97	18.9162	2438.52
rata-rata		27.0231		58.0601

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 7

Pagi (08.20-9.20)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	45	5.59	0.0932	446.68
30%	45	5.57	0.0928	448.29
30%	120	10.44	0.1740	194.21
30%	120	25.44	0.4240	79.70
30%	180	26.44	0.4407	67.46
30%	180	24.97	0.4162	71.43
30%	180	23.63	0.3938	75.48
30%	180	24.69	0.4115	72.24
total			30.2320	
rata-rata		20.3811236		125.65

Siang (13.40-14.40)

30%	90	17.38	0.2897	114.70
30%	90	17.79	0.2965	112.05
30%	90	18.71	0.3118	106.54
30%	90	19.85	0.3308	100.43
30%	90	17.78	0.2963	112.12
30%	90	20.95	0.3492	95.15
30%	90	20.43	0.3405	97.57
total			27.9137	
rata-rata		17.446		128.062

Sore (15.00-16.00)

30%	120	33.9	0.5650	41.51
30%	120	33.82	0.5637	41.61
30%	120	36.17	0.6028	38.90
30%	120	36.45	0.6075	38.61
30%	120	33.13	0.5522	42.47
30%	120	33.72	0.5620	41.73
30%	120	35.61	0.5935	39.52
total			20.9810	
rata-rata		29.2758		59.8520

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 8

Pagi (09.00-10.00)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	60	6.59	0.1098	307.98
30%	45	4.35	0.0725	492.49
30%	45	5.35	0.0892	400.44
30%	45	4.87	0.0812	439.91
30%	90	10.44	0.1740	177.43
30%	120	23.36	0.3893	74.47
30%	120	23.74	0.3957	73.28
30%	120	21.9	0.3650	79.44
total			25.9385	
rata-rata		18.528		126.29

Siang (13.30-14.30)

30%	45	5.37	0.0895	394.23
30%	120	9.59	0.1598	179.26
30%	90	7.57	0.1262	241.81
30%	75	7.46	0.1243	258.18
30%	90	8.45	0.1408	216.63
30%	90	18.66	0.3110	98.10
30%	90	18.39	0.3065	99.54
30%	90	18.04	0.3007	101.47
total			25.6322	
rata-rata		15.855		138.128

Sore (15.00-16.00)

30%	90	22.66	0.5562	36.86
30%	90	24.74	0.5650	36.28
30%	90	25.16	0.5998	34.17
30%	120	34.91	0.5818	35.23
30%	120	35.54	0.5923	34.61
30%	120	33.27	0.5545	36.97
total			18.3382	
rata-rata		26.1974		81.4557

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 9

Pagi (08.30-9.30)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	180	25.44	0.4240	64.69
30%	180	26.37	0.4395	62.41
30%	180	26.44	0.4407	62.24
30%	180	24.97	0.4162	65.91
30%	180	23.63	0.3938	69.65
30%	180	24.69	0.4115	66.66
total			27.8965	
rata-rata		19.23896552		123.19

Siang (13.00-14.00)

30%	90	17.07	0.2845	114.04
30%	90	18.94	0.3157	102.78
30%	90	20.82	0.3470	93.50
30%	90	20.53	0.3422	94.82
30%	90	17.24	0.2873	112.92
30%	90	20.14	0.3357	96.66
30%	90	19.67	0.3278	98.97
total			27.2587	
rata-rata		17.973		116.056

Sore (15.00-16.00)

30%	120	35.06	0.5843	39.96
30%	120	35.17	0.5862	39.84
30%	120	33.88	0.5647	41.36
30%	120	33.34	0.5557	42.03
30%	120	34.1	0.5683	41.09
30%	120	35.61	0.5935	39.35
30%	120	33.67	0.5612	41.61
total			20.8915	
rata-rata		27.8553		66.6825

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 10

Pagi (09.30-10.30)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	45	5.28	0.0880	445.38
30%	45	5.44	0.0907	432.28
30%	45	5.73	0.0955	410.40
30%	120	20.84	0.3473	91.63
30%	120	23.45	0.3908	81.43
30%	120	23.2	0.3867	82.31
30%	120	20.89	0.3482	91.41
30%	120	20.61	0.3435	92.65
total			28.4723	
rata-rata		20.09811765		117.59

Siang (13.00-14.00)

30%	90	18.09	0.3015	103.28
30%	90	17.55	0.2925	106.46
30%	90	18.46	0.3077	101.21
30%	90	18.3	0.3050	102.10
30%	90	20.61	0.3435	90.65
30%	90	20.49	0.3415	91.19
30%	90	19.12	0.3187	97.72
total			26.1623	
rata-rata		17.250		125.097

Sore (14.50-15.50)

30%	75	17.66	0.2943	60.48
30%	180	33.16	0.5527	25.29
30%	180	33.15	0.5525	25.30
30%	180	34.02	0.5670	24.65
30%	120	35.04	0.5840	27.21
30%	120	34.81	0.5802	27.39
30%	120	35.89	0.5982	26.56
total			14.2140	
rata-rata		20.8010		54.9016

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 11

Pagi (08.00-09.00)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	180	25.37	0.4228	69.92
30%	180	26.05	0.4342	68.09
30%	180	23.6	0.3933	75.16
30%	180	22.03	0.3672	80.52
30%	180	24.76	0.4127	71.64
30%	180	26.5	0.4417	66.94
total			30.0677	
rata-rata		20.27033708		128.25

Siang (13.00-14.00)

30%	120	23.68	0.3947	84.10
30%	120	23.97	0.3995	83.08
30%	90	18.01	0.3002	117.74
30%	90	17.58	0.2930	120.62
30%	90	20.39	0.3398	104.00
30%	90	17.8	0.2967	119.13
30%	90	19.19	0.3198	110.50
30%	90	18.36	0.3060	115.50
30%	90	17.14	0.2857	123.72
total			29.6930	
rata-rata		18.558		118.889

Sore (15.00-16.00)

30%	120	32.02	0.5337	39.10
30%	120	35.98	0.5997	34.80
30%	75	12.47	0.2078	112.49
30%	75	11.33	0.1888	123.80
30%	75	11.26	0.1877	124.57
30%	75	11.47	0.1912	122.29
30%	75	10.29	0.1715	136.32
total			18.6675	
rata-rata		24.8900		63.3563

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 12

Pagi (09.30-10.30)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	75	8.33	0.1388	181.09
30%	75	9.34	0.1557	161.50
30%	45	6.55	0.1092	253.14
30%	45	5.1	0.0850	325.11
30%	120	11.44	0.1907	117.69
30%	120	12.67	0.2112	106.27
30%	90	20.85	0.3475	68.76
30%	90	21.78	0.3630	65.82
total rata-rata		14.339	20.0748	126.11

Siang (13.00-14.00)

30%	90	6.57	0.1095	266.97
30%	75	6.56	0.1093	281.33
30%	90	12.56	0.2093	139.65
30%	90	14.78	0.2463	118.67
30%	90	15.75	0.2625	111.37
30%	75	16.43	0.2738	112.33
total rata-rata		15.192	24.5607	129.755

Sore (15.00-16.00)

30%	90	16.79	0.2798	57.95
30%	90	15.31	0.2552	63.56
30%	90	17.34	0.2890	56.12
30%	75	11.55	0.1925	88.64
30%	75	14.5	0.2417	70.61
30%	75	13.21	0.2202	77.50
30%	75	15.19	0.2532	67.40
total rata-rata		18.1671	13.6253	76.2805

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 13

Pagi (09.00-10.00)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	120	26.29	0.4382	67.28
30%	120	24.24	0.4040	72.97
30%	120	26.48	0.4413	66.80
30%	120	26.03	0.4338	67.95
30%	120	26.25	0.4375	67.38
30%	120	24.18	0.4030	73.15
30%	120	22.08	0.3680	80.11
total			26.3737	
rata-rata		17.78		127.48

Siang (13.30-14.40)

30%	180	23.85	0.3975	70.69
30%	90	14.12	0.2353	144.54
30%	90	15.83	0.2638	128.93
30%	90	12.38	0.2063	164.86
30%	120	22.98	0.3830	83.41
30%	120	21.22	0.3537	90.33
30%	120	20.09	0.3348	95.41
30%	120	22.01	0.3668	87.08
total			28.5788	
rata-rata		17.862		141.681

Sore (14.40-15.40)

30%	120	35.26	0.5877	36.75
30%	120	34.84	0.5807	37.20
30%	120	32.98	0.5497	39.29
30%	120	33.16	0.5527	39.08
30%	120	32.53	0.5422	39.84
30%	120	31.36	0.5227	41.32
30%	120	31.36	0.5227	41.32
total			19.3227	
rata-rata		25.7636		67.0732

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Tabel Beberapa Sampel Data Observasi *excavator* Kobelco SK 200-8 hari 14

Pagi (09.00-10.00)

Kedalaman	Sudut Putar	Waktu (Detik)	Waktu (Menit)	Produktivitas (m ³ /jam)
30%	75	6.59	0.1098	241.18
30%	75	7.92	0.1320	200.68
30%	45	5.35	0.0892	326.54
30%	45	4.87	0.0812	358.73
30%	120	10.44	0.1740	135.88
30%	120	13.45	0.2242	105.47
30%	90	22.85	0.3808	66.11
30%	90	21.65	0.3608	69.77
total			21.1520	
rata-rata		15.109		132.74

Siang (13.50-14.50)

30%	45	5.26	0.0877	372.85
30%	90	7.57	0.1262	224.01
30%	75	7.46	0.1243	239.18
30%	90	14.56	0.2427	116.47
30%	90	13.78	0.2297	123.06
30%	90	16.75	0.2792	101.24
30%	75	14.43	0.2405	123.65
total			23.7453	
rata-rata		14.688		133.330

Sore (14.50-15.50)

30%	90	14.43	0.2405	88.92
30%	90	13.78	0.2297	93.11
30%	90	17.34	0.2890	74.00
30%	75	12.31	0.2052	109.67
30%	75	14.5	0.2417	93.10
30%	75	15.67	0.2612	86.15
30%	75	16.54	0.2757	81.62
total			17.9665	
rata-rata		23.9553		67.6751