

## DAFTAR PUSTAKA

- Ahmadi, Noor & Hidayah, Nur Yulianti, 2017. Analisis Pemeliharaan Mesin *Blowmould* dengan metode RCM di PT. CCAI
- Andiyanto, S., Sutrisno A., & Punuhsingon C., 2017. Penerapan Metode FMEA (*Failure Mode and Effect Analysis*) untuk Kuantifikasi dan Pencegahan Resiko Akibat Terjadinya *Lean Waste*
- Asisco, H., Amar, K., & Rahadian, P., Yandra 2012. Usulan Perencanaan Perawatan Mesin dengan Metode *Reliability Cartered Maintenance* (RCM) di PT. Perkebunan Nusantara VII (Persero) Unit Usaha Sungai Niru Kab. Muara Enim
- Hadi, Ir. Syamsul, M.T., Ph.D., 2019. Perawatan dan Perbaikan Mesin Industri
- Ir. Denur, MM., Hakim, Legisnal, MT., Hasan, Ir. Indra, MT, & Rahmad, Syahrul, 2017. Penerapan *Reliability Cartered Maintenance* (RCM) pada Mesin *Ripple Mill*
- Mentari, Dini 2017. Analisis Pelaksanaan Kegiatan Pemeliharaan (*Maintenance*) Terhadap Kualitas Produk pada CV Green Perkasa Pematang Siantar
- Rachman, H., Kesy G., Annisa, & Kholik, M., Heri, 2017. Usulan Sistem Perawatan *Boiler* dengan Metode *Reliability Cartered Maintenance* (RCM)
- Rosihan, Rifda Ilahy & Yuniarto, Hari Agung, 2019. Analisis Sistem *Reliability* dengan Pendekatan *Reliability Block Diagram*.
- Supriyadi, Miftahul J., Resa & Syarifuddin, Rizal, 2018. Perencanaan Pemeliharaan Mesin Centrifugal dengan Menggunakan *Reliability Cartered Maintenance* pada Perusahaan Gula Rafinasi
- Siregar, Hj., Ninny & Munthe, Sirmas, 2019. Analisa Perawatan Mesin *Digester* dengan Metode *Reliability Cartered Maintenance* pada PTPN II Pagar Merbau
- Syahabuddin, Agus, 2019. Analisis Perawatan Mesin Bubut CY-L1640G dengan Metode *Reliability Cartered Maintenance* (RCM) di PT. Polymindo Permata
- Utomo, Muh. Nurcahyo & Widjajati, Farida Agustini, 2014. Menentukan Keandalan Komponen Mesin Produksi pada Model *Stress Strength* yang Berdistribusi Gamma

## LAMPIRAN 1. Hasil Pengolahan Data di MiniTab

### 1. Belt Conveyor

#### Goodness-of-Fit

Distribution	Anderson-Darling (adj)
Weibull	1,616
Lognormal	1,468
Exponential	1,575
Normal	2,252

#### Table of Percentiles

Distribution	Percent	Percentile	Standard Error	95% Normal CI	
				Lower	Upper
Weibull	1	0,262095	0,179448	0,0684966	1,00288
Lognormal	1	0,908920	0,317924	0,457921	1,80410
Exponential	1	0,0945645	0,0201612	0,0622661	0,143617
Normal	1	-8,66060	3,18797	-14,9089	-2,41230
Weibull	5	0,958285	0,460376	0,373734	2,45712
Lognormal	5	1,62466	0,452792	0,940872	2,80538
Exponential	5	0,482623	0,102896	0,317784	0,732968
Normal	5	-3,36716	2,54012	-8,34571	1,61139
Weibull	10	1,69881	0,668434	0,785635	3,67340
Lognormal	10	2,21425	0,542941	1,36934	3,58050
Exponential	10	0,991347	0,211356	0,652753	1,50557
Normal	10	-0,545244	2,23482	-4,92541	3,83492
Weibull	50	7,60124	1,52781	5,12622	11,2712
Lognormal	50	6,60018	1,19923	4,62269	9,42360
Exponential	50	6,52188	1,39047	4,29434	9,90490
Normal	50	9,40909	1,65602	6,16336	12,6548

#### Table of MTF

Distribution	Mean	Standard Error	95% Normal CI	
			Lower	Upper
Weibull	9,46345	1,61931	6,76704	13,2343
Lognormal	9,49011	2,01322	6,26178	14,3828
Exponential	9,40909	2,00602	6,19542	14,2897
Normal	9,40909	1,65602	6,16336	12,6548

2. Idler

**Goodness-of-Fit**

<b>Distribution</b>	<b>Anderson-Darling (adj)</b>
Weibull	2,977
Lognormal	3,041
Exponential	2,973
Normal	3,184

**Table of Percentiles**

<b>Distribution</b>	<b>Percent</b>	<b>Percentile</b>	<b>Standard Error</b>	<b>95% Normal CI</b>	
				<b>Lower</b>	<b>Upper</b>
Weibull	1	0,517872	0,558566	0,0625365	4,28855
Lognormal	1	2,02285	0,946894	-0,808195	5,06303
Exponential	1	0,0864329	0,0386540	0,0359758	0,207658
Normal	1	-5,86083	5,35159	-16,3498	4,62810
Weibull	5	1,46316	1,11845	0,327060	6,54567
Lognormal	5	2,93013	1,09286	1,41062	6,08644
Exponential	5	0,441122	0,197276	0,183607	1,05981
Normal	5	-1,62459	4,26406	-9,98199	6,73282
Weibull	10	2,31470	1,46090	0,671839	7,97486
Lognormal	10	3,57005	1,17150	1,87654	6,79192
Exponential	10	0,906100	0,405220	0,377144	2,17693
Normal	10	0,633737	3,75155	-6,71917	7,98664
Weibull	50	7,68823	2,59401	3,96855	14,8944
Lognormal	50	7,16626	1,74253	4,44955	11,5417
Exponential	50	5,96107	2,66587	2,48116	14,3216
Normal	50	8,6	2,77993	3,15144	14,0486

**Table of MTTF**

<b>Distribution</b>	<b>Mean</b>	<b>Standard Error</b>	<b>95% Normal CI</b>	
			<b>Lower</b>	<b>Upper</b>
Weibull	8,72266	2,56866	4,89763	15,5350
Lognormal	8,30783	2,16427	4,98587	13,8431
Exponential	8,60000	3,84604	3,57956	20,6618
Normal	8,60000	2,77993	3,15144	14,0486

### 3. Drive

#### Goodness-of-Fit

Distribution	Anderson-Darling (adj)
Weibull	2,915
Lognormal	2,934
Exponential	3,528
Normal	2,925

#### Table of Percentiles

Distribution	Percent	Percentile	Standard Error	95% Normal CI	
				Lower	Upper
Weibull	1	1,82539	0,821327	0,755720	4,40911
Lognormal	1	2,38567	0,594272	1,46412	3,88727
Exponential	1	0,0452265	0,0226133	0,0169743	0,120502
Normal	1	1,89906	1,07615	-0,210160	4,00829
Weibull	5	2,59702	0,815905	1,40299	4,80726
Lognormal	5	2,84581	0,564833	1,92868	4,19905
Exponential	5	0,230820	0,115410	0,0866308	0,614998
Normal	5	2,66100	0,857462	0,980403	4,34159
Weibull	10	3,03457	0,777724	1,83631	5,01476
Lognormal	10	3,12635	0,545934	2,22023	4,40228
Exponential	10	0,474122	0,237061	0,177947	1,26326
Normal	10	3,06718	0,754401	1,58858	4,54578
Weibull	50	4,56110	0,583858	3,54902	5,86179
Lognormal	50	4,35588	0,563638	3,38012	5,61331
Exponential	50	3,11916	1,55958	1,17068	8,31072
Normal	50	4,5	0,559017	3,40435	5,59565

#### Table of MTTF

Distribution	Mean	Standard Error	95% Normal CI	
			Lower	Upper
Weibull	4,51282	0,55806	3,54151	5,7505
Lognormal	4,50421	0,59251	3,48054	5,8290
Exponential	4,50000	2,25000	1,68893	11,9898
Normal	4,50000	0,55902	3,40435	5,5957