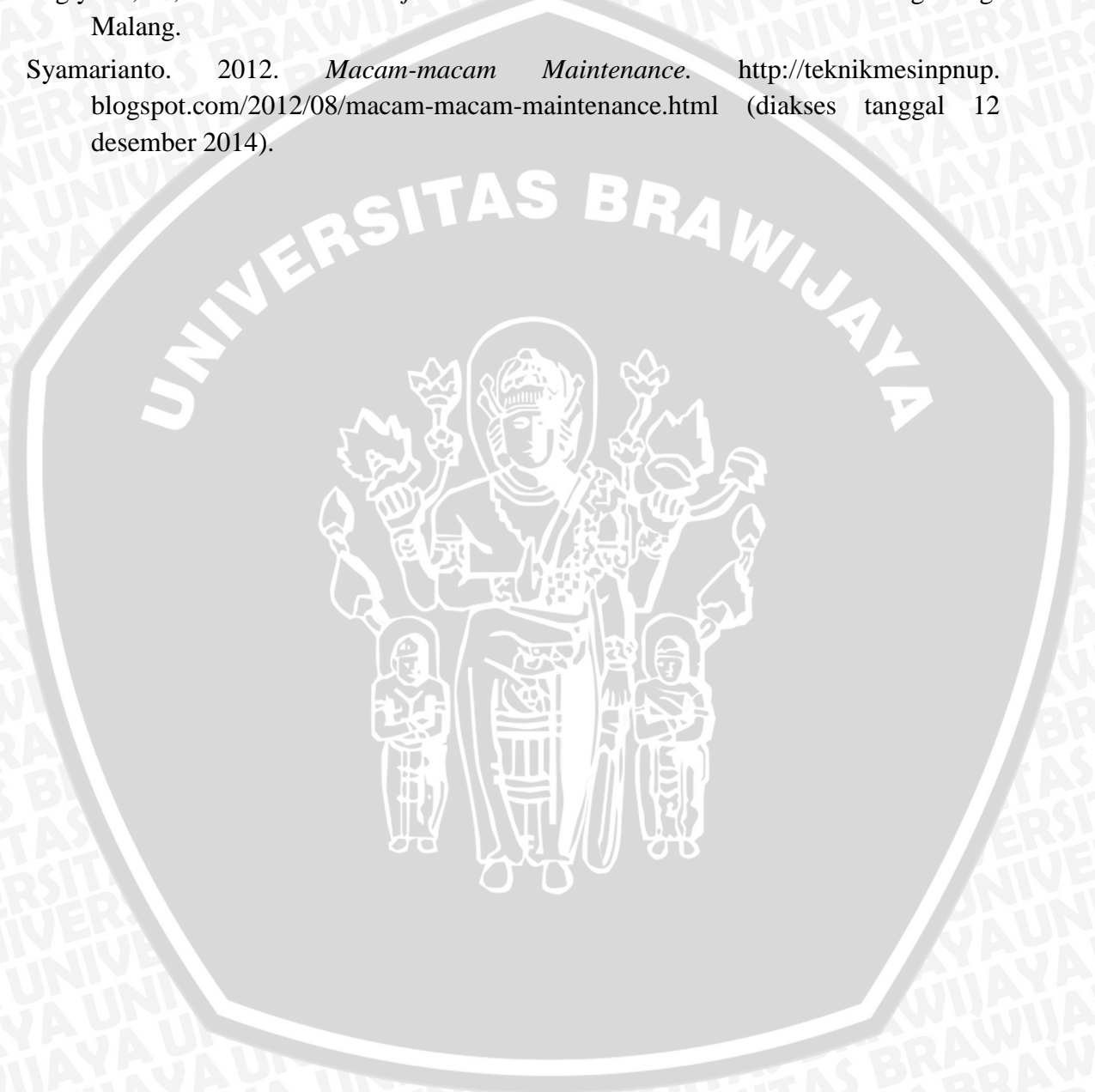


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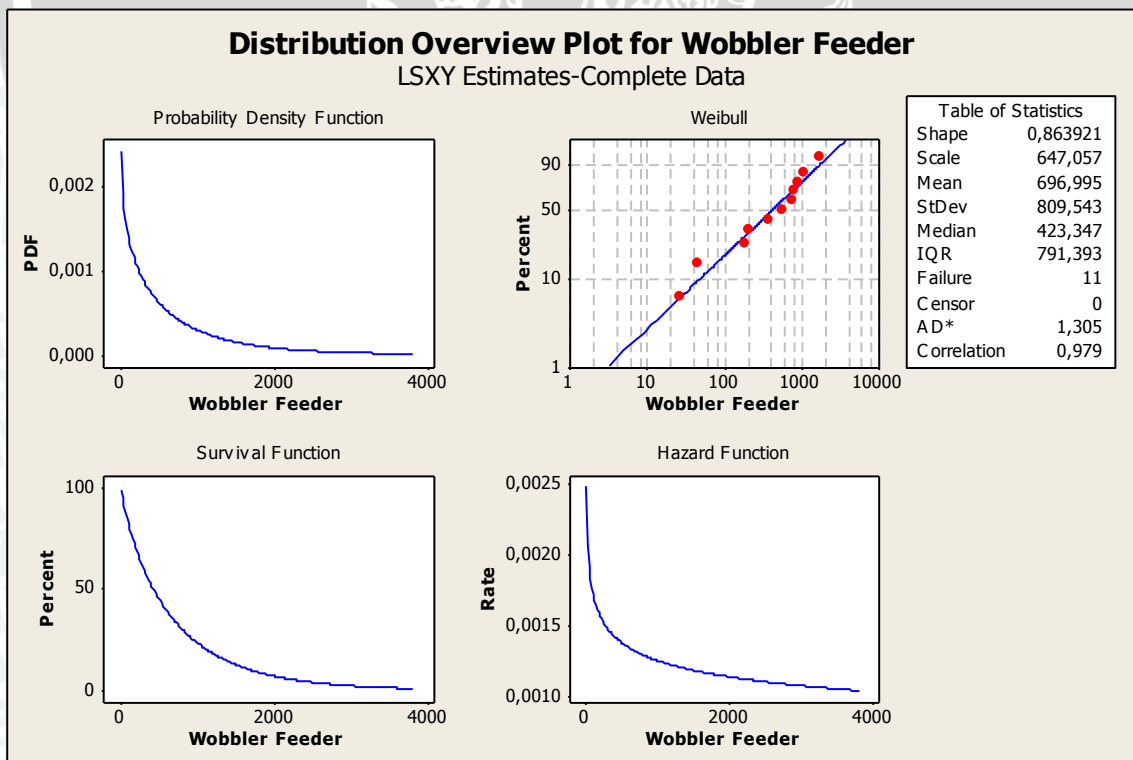
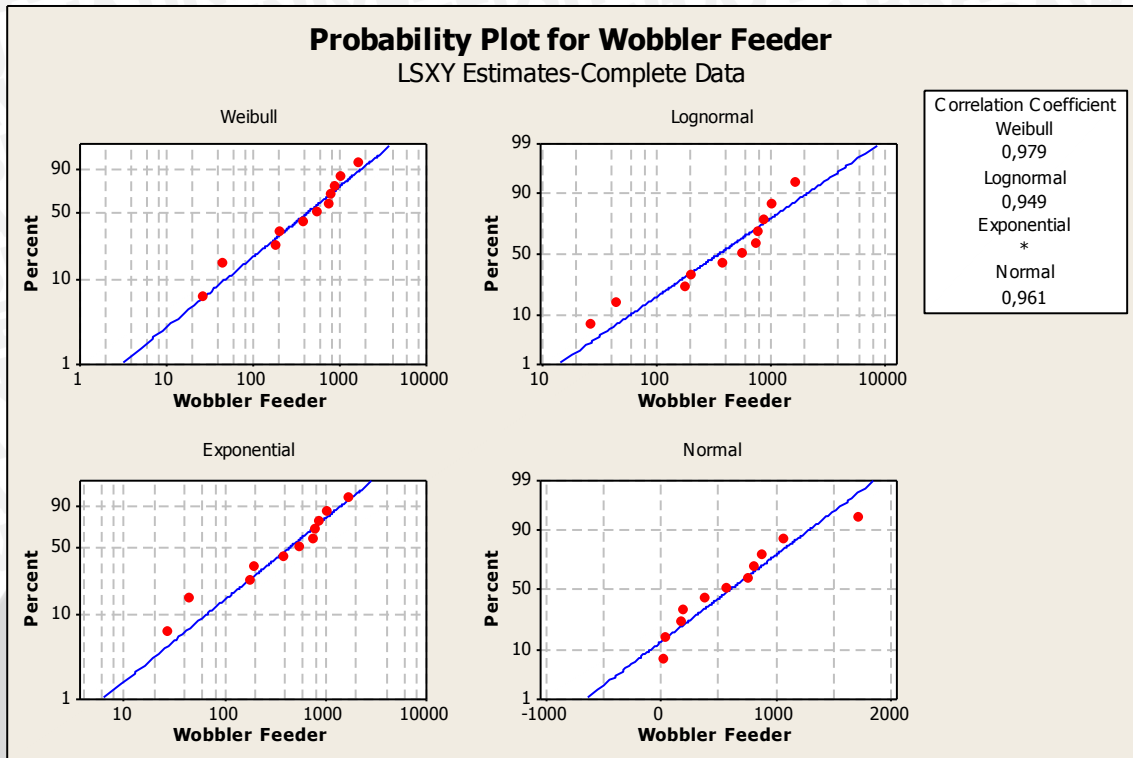
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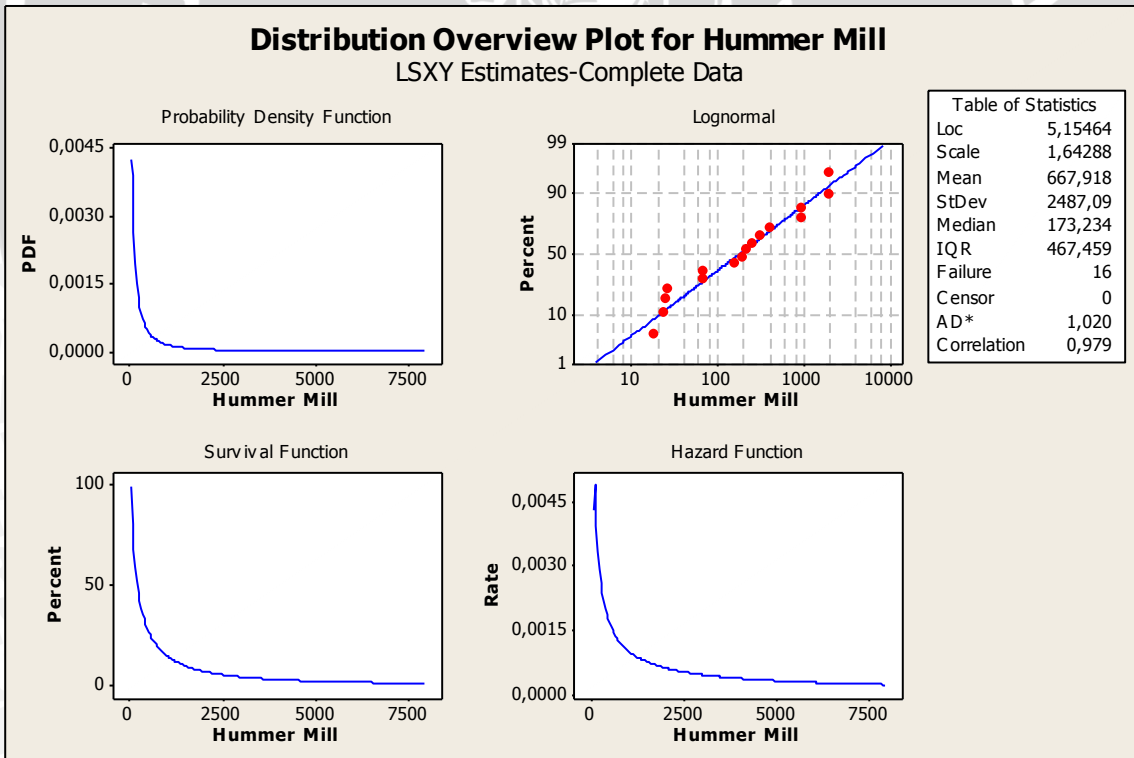
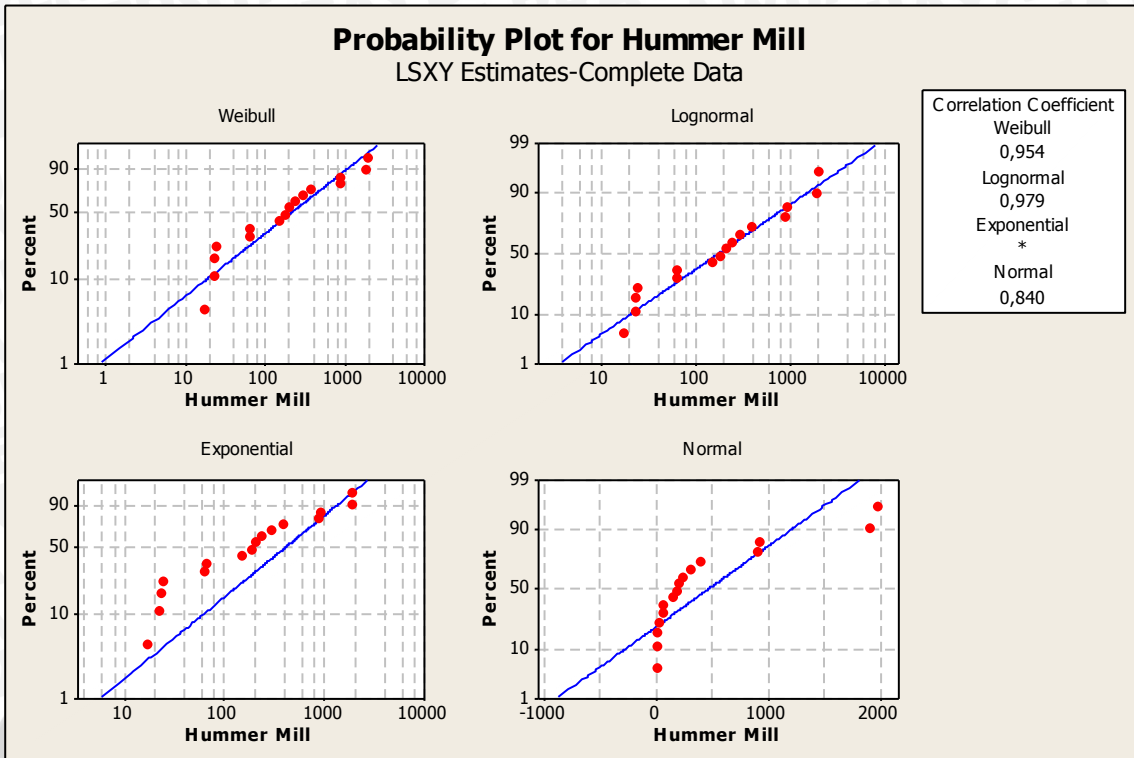
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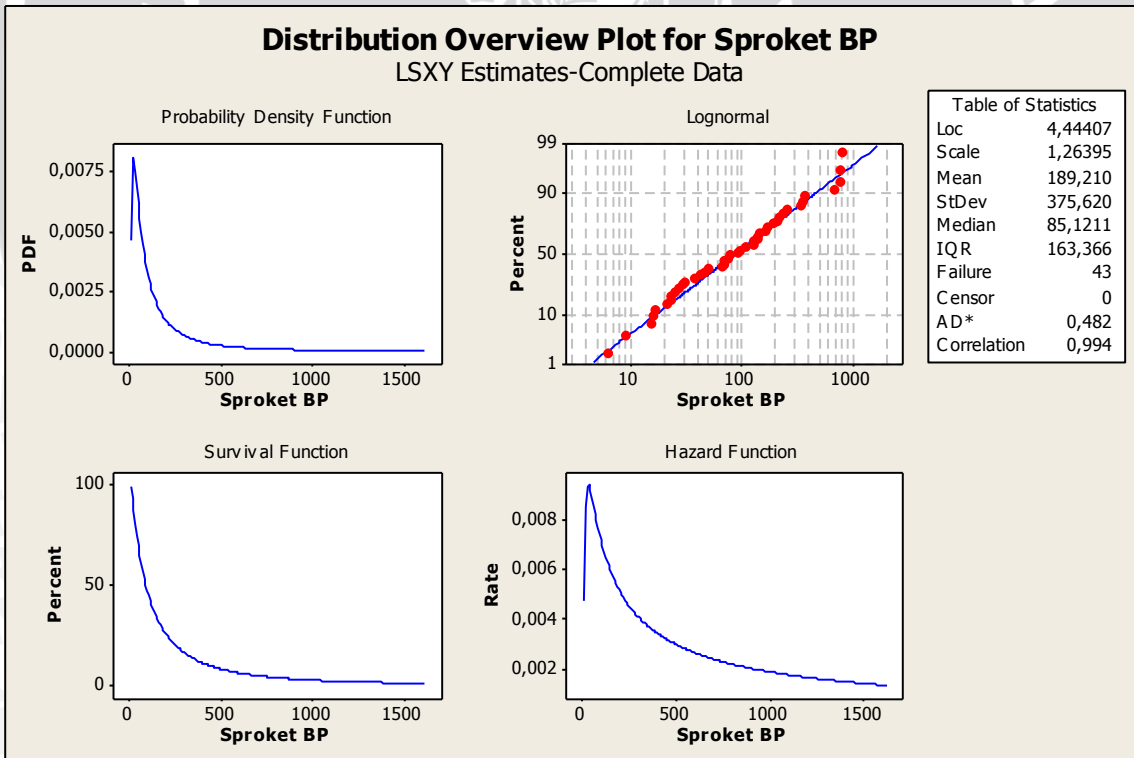
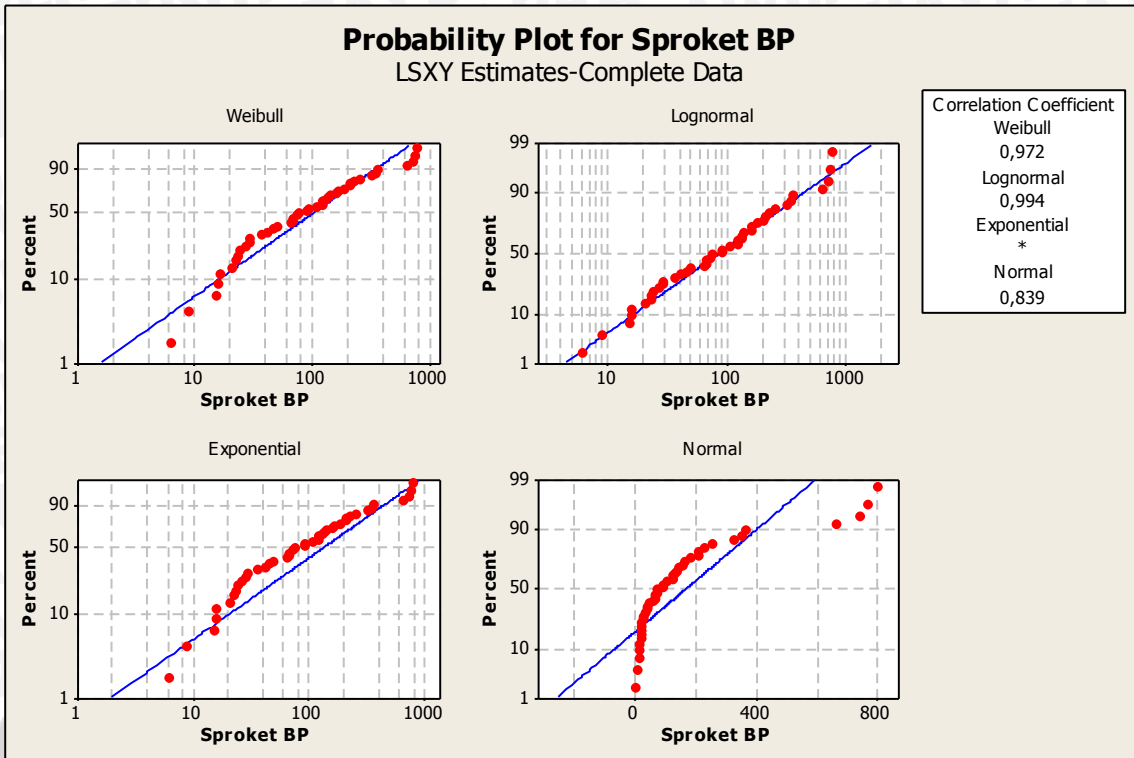


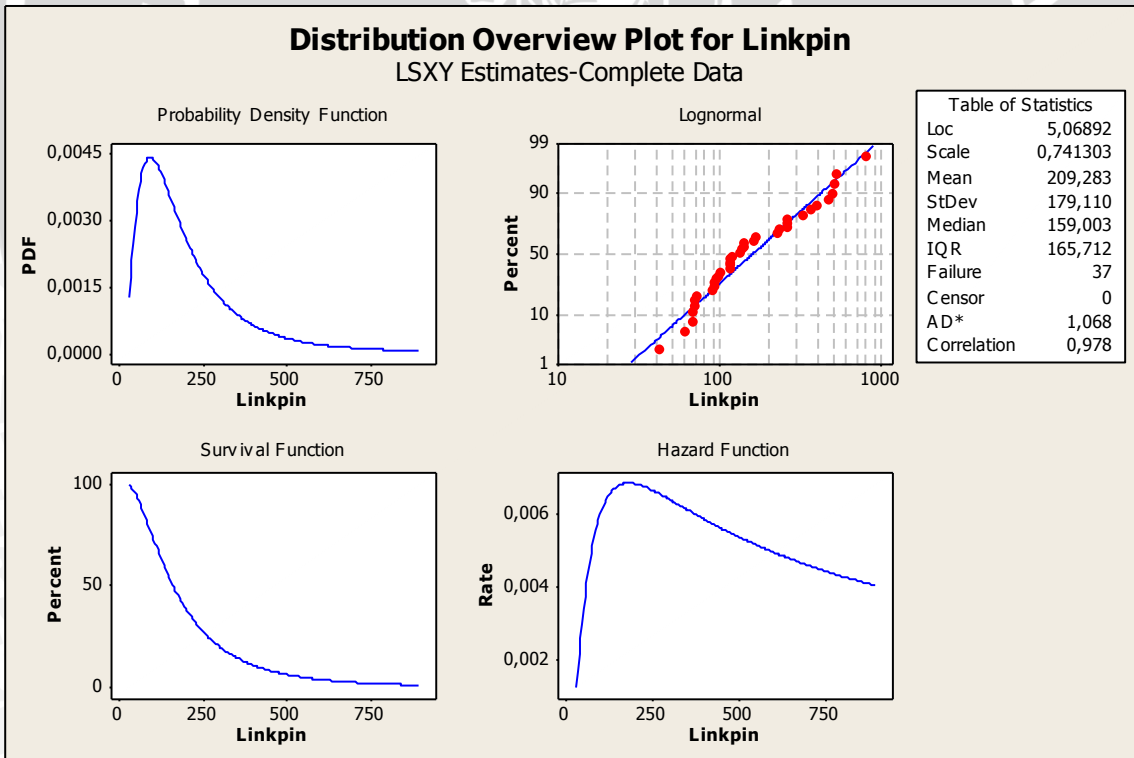
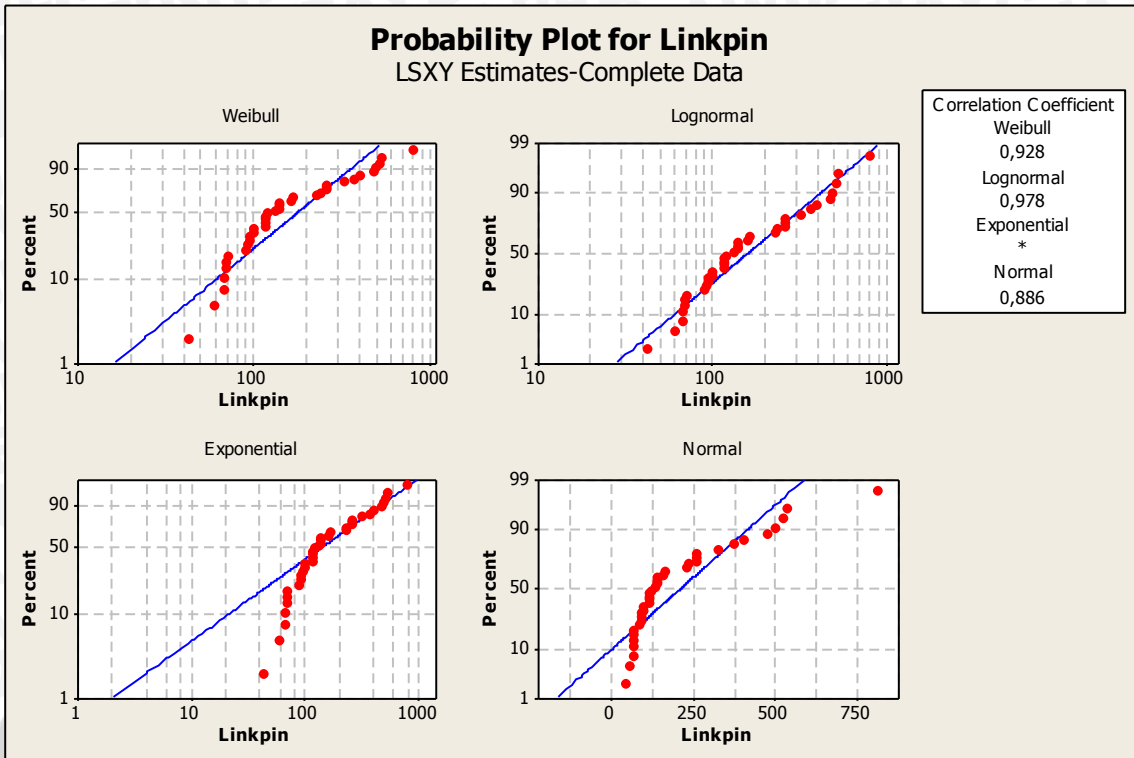
Lampiran 1

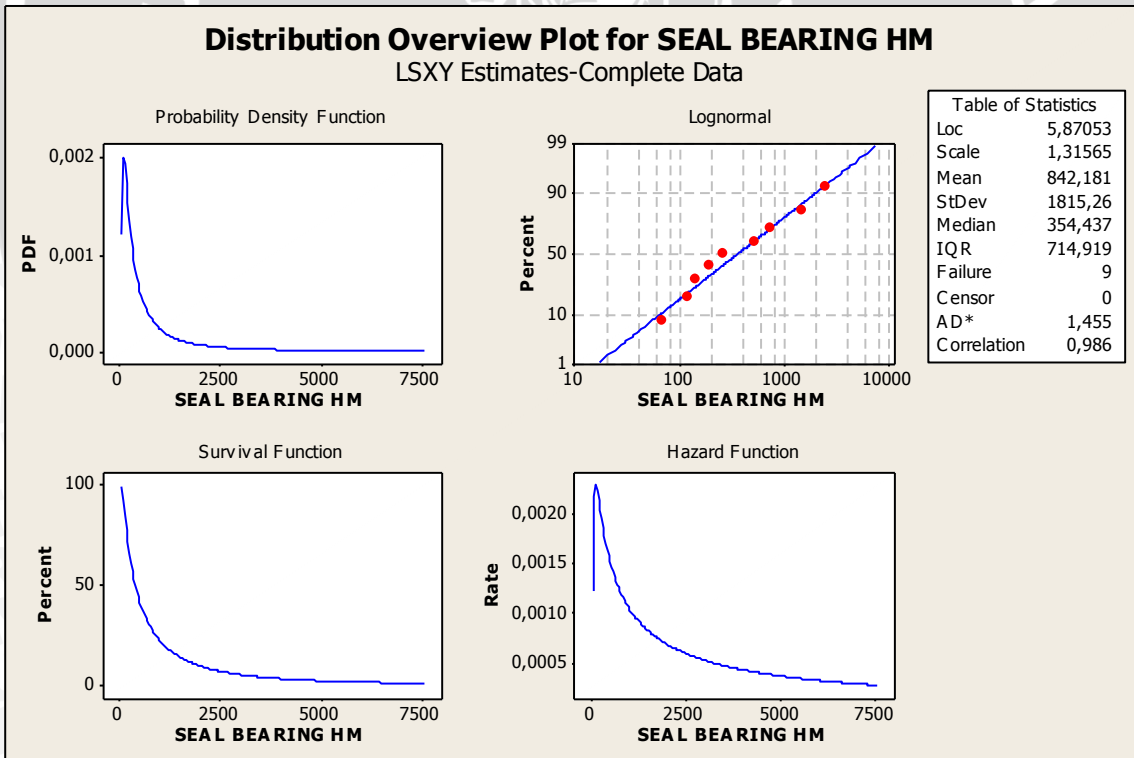
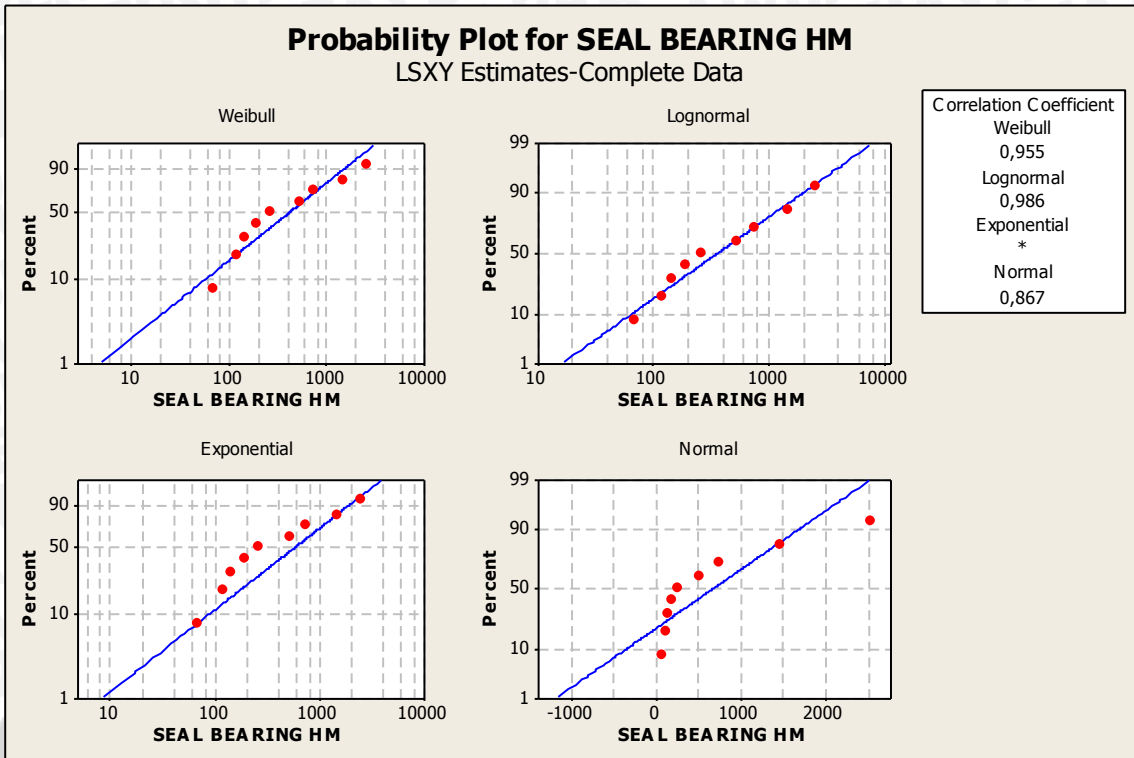
Pengujian distribusi kerusakan penentuan MTTF

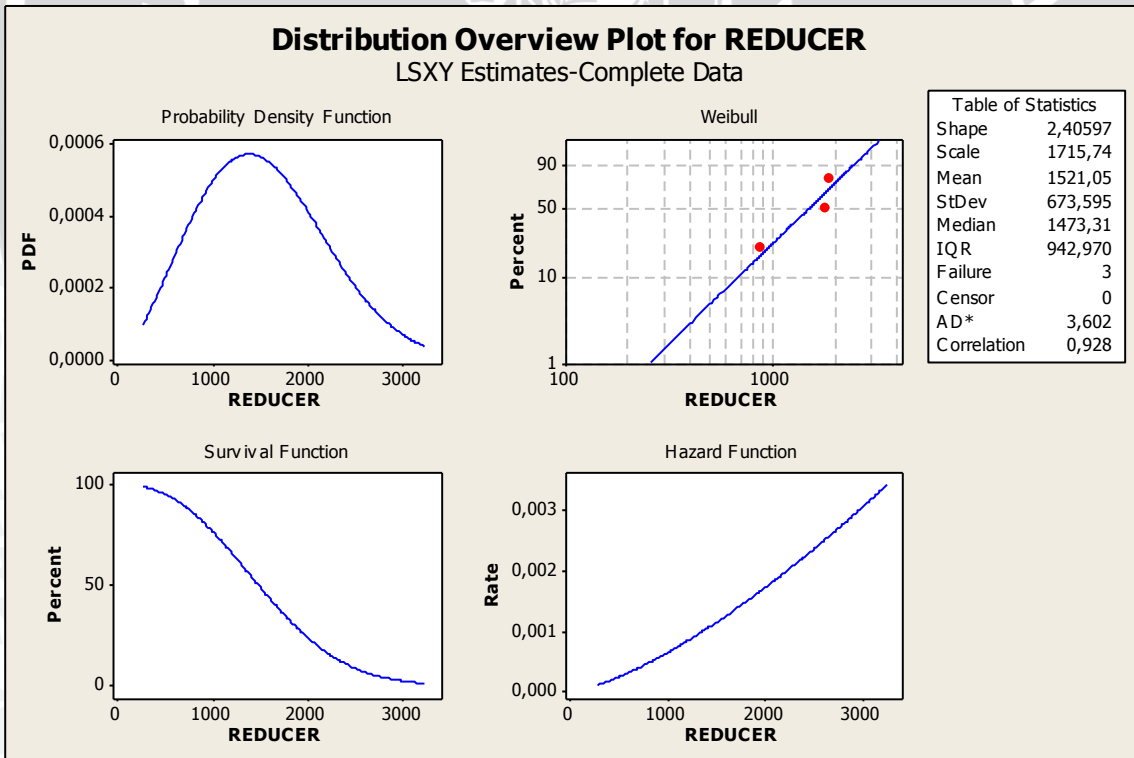
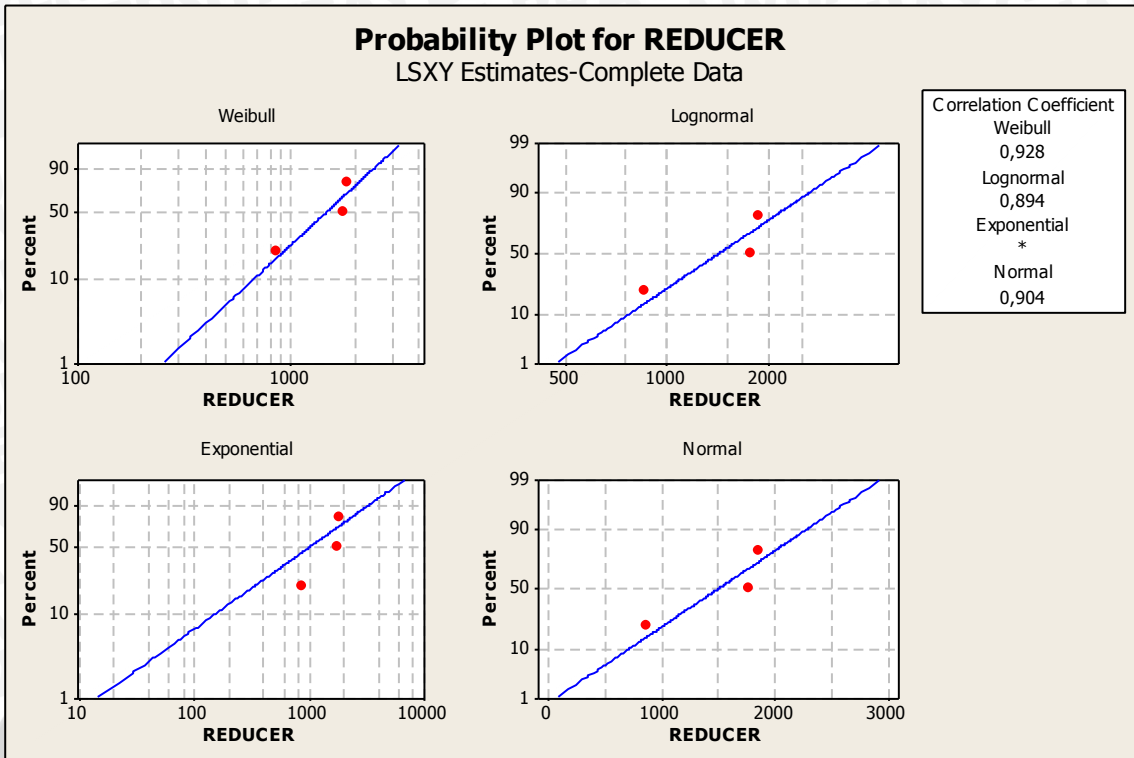






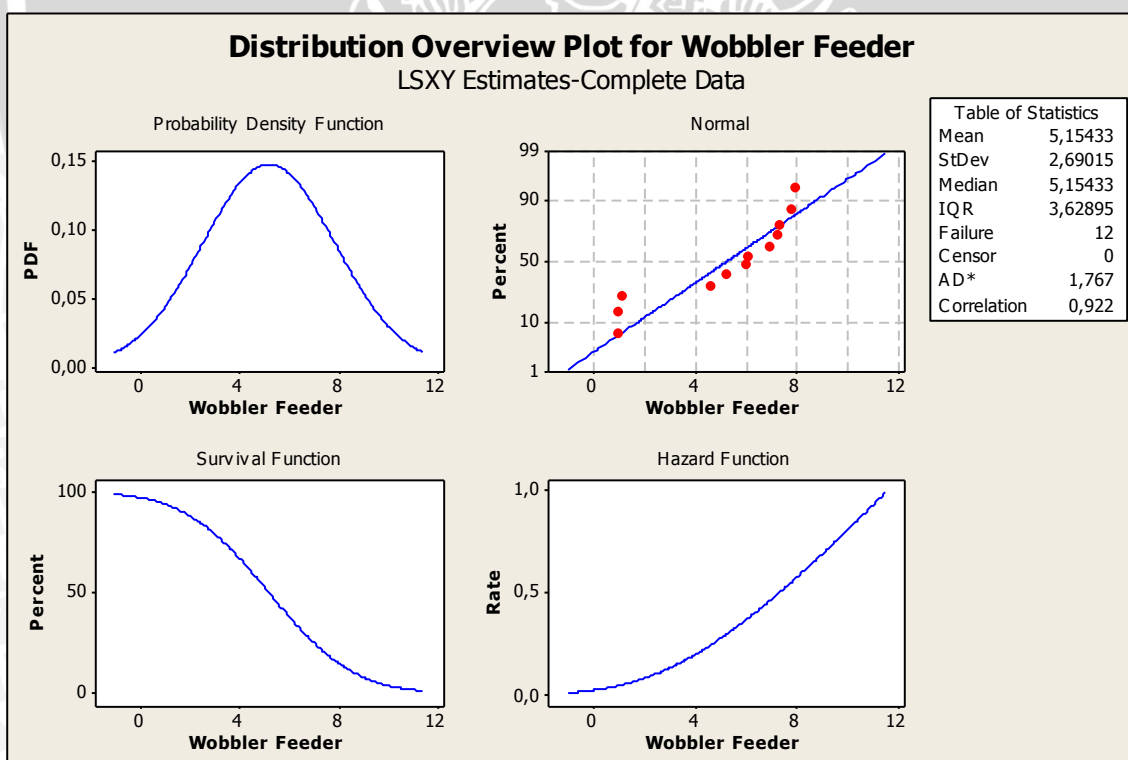
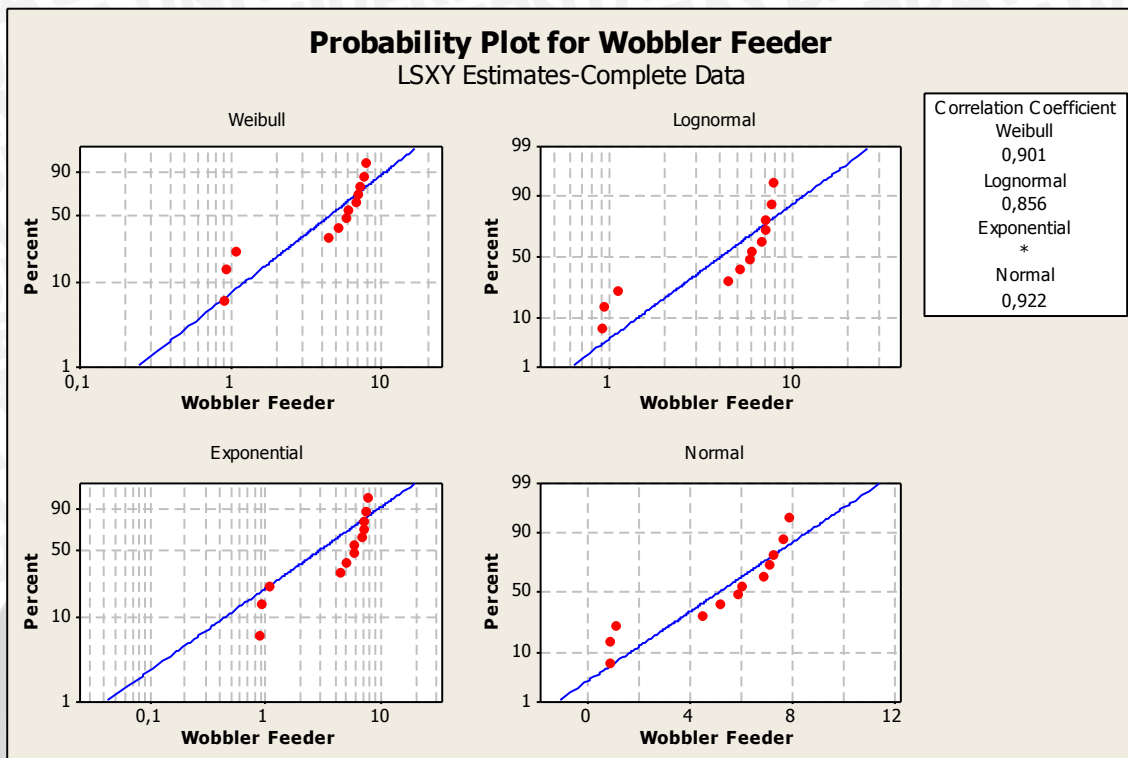


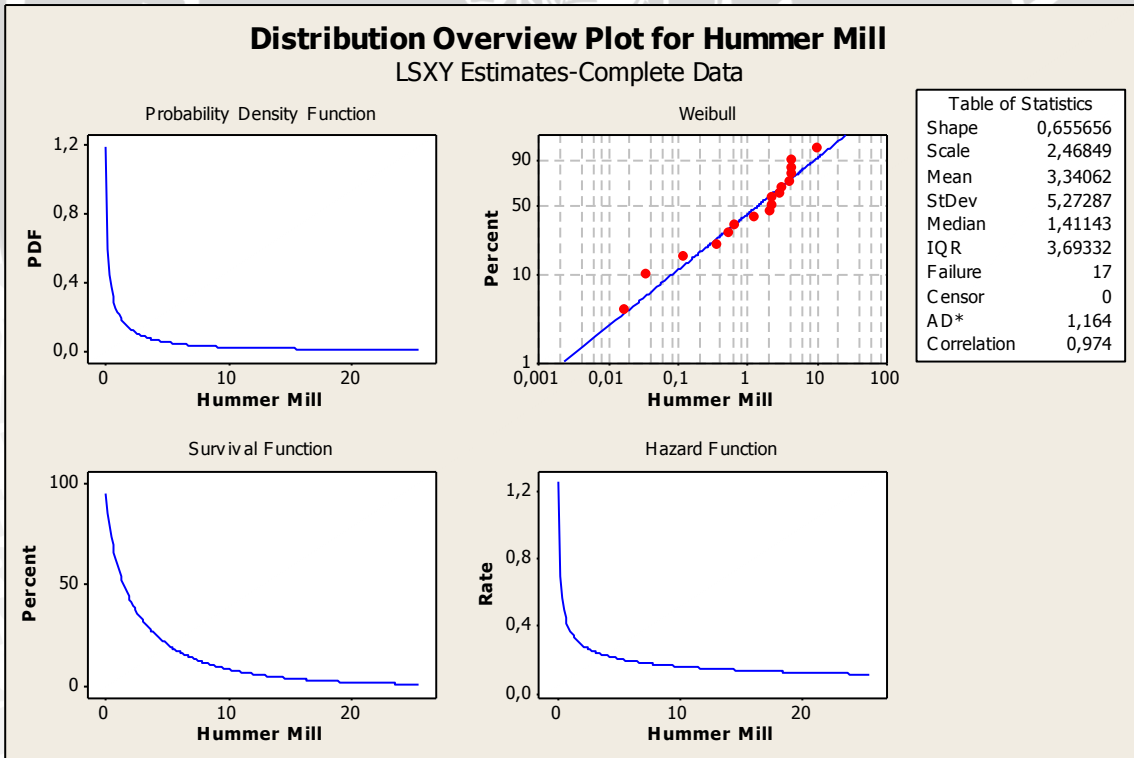
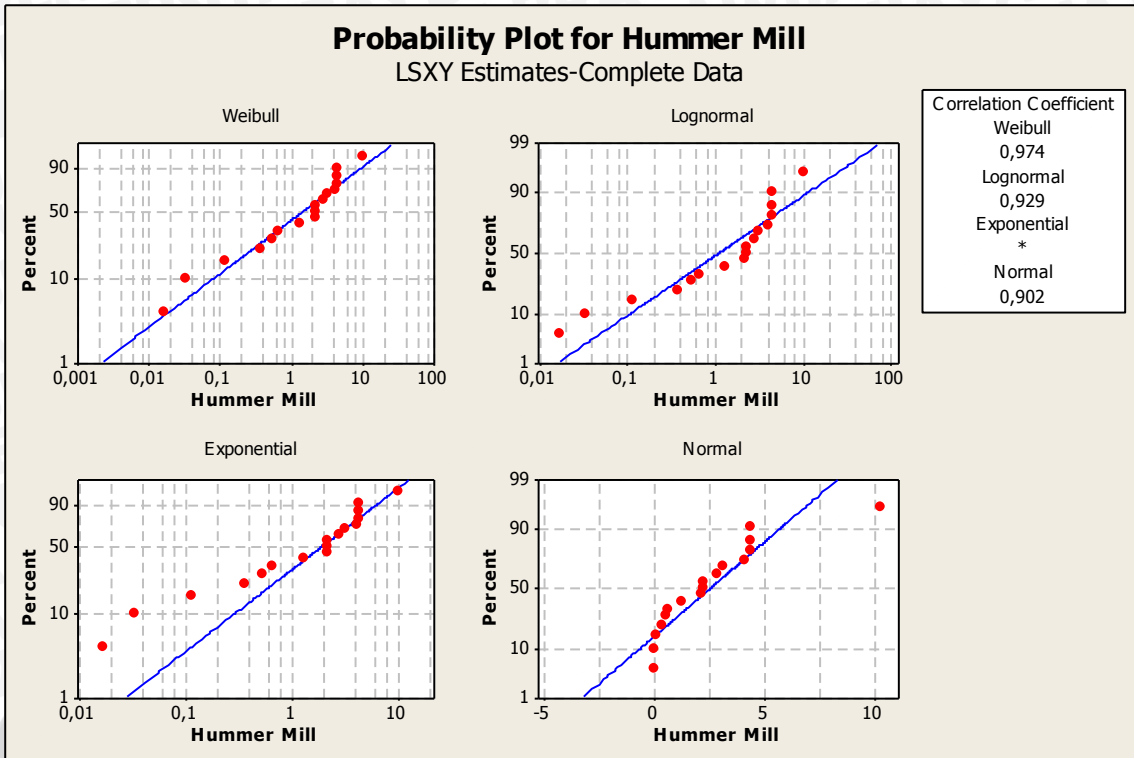


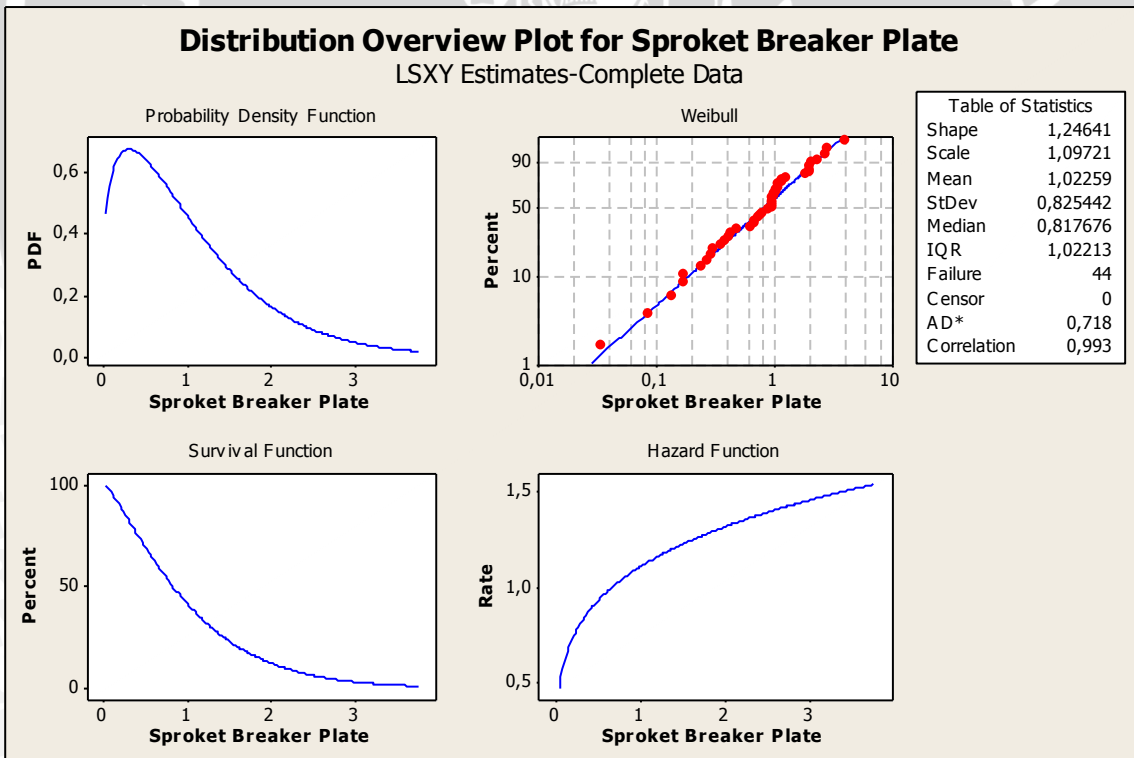
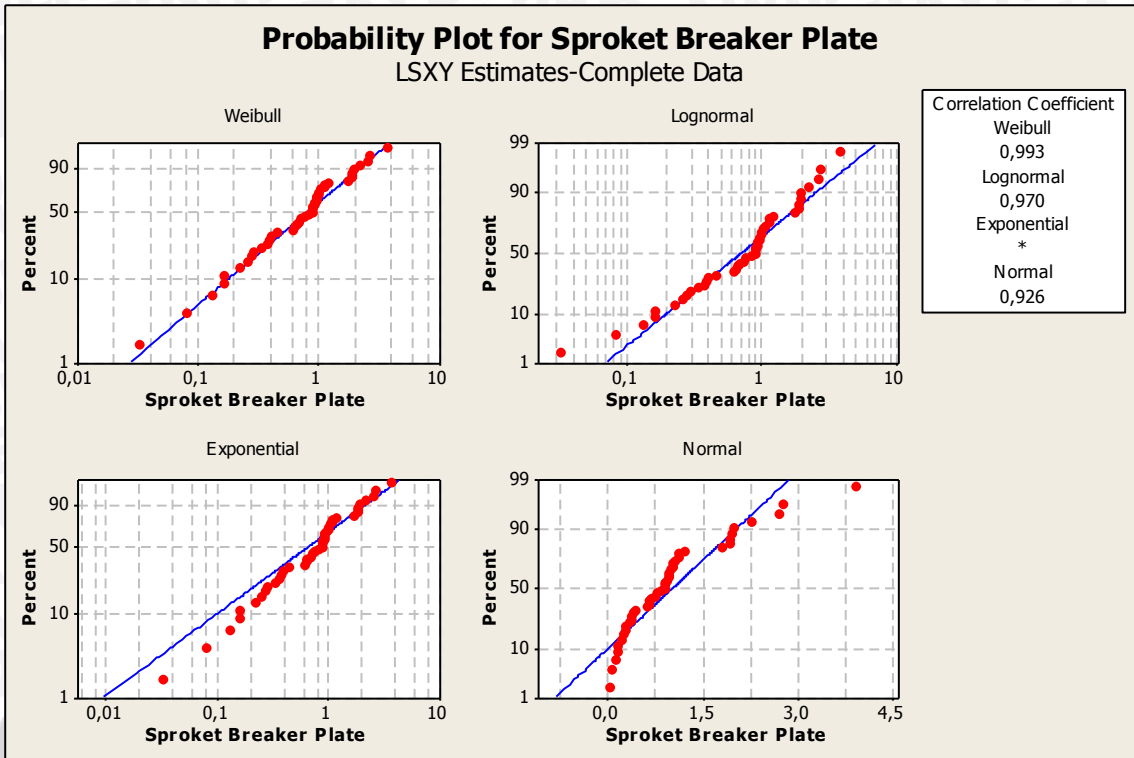


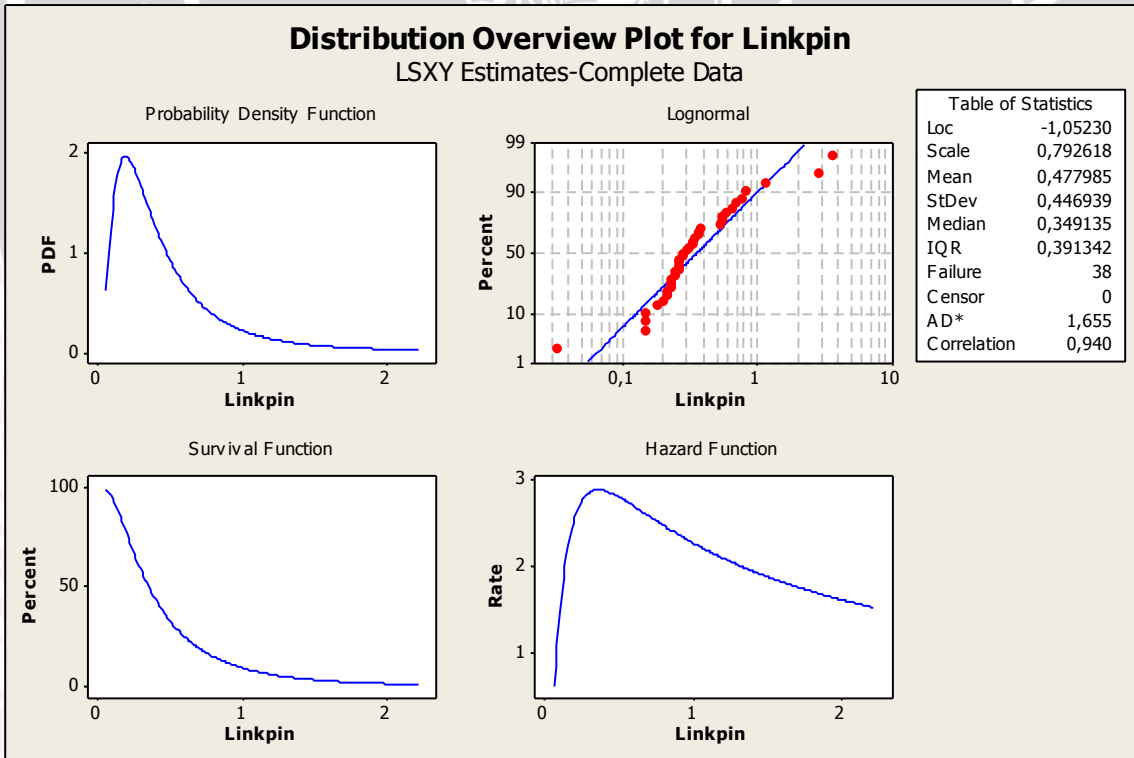
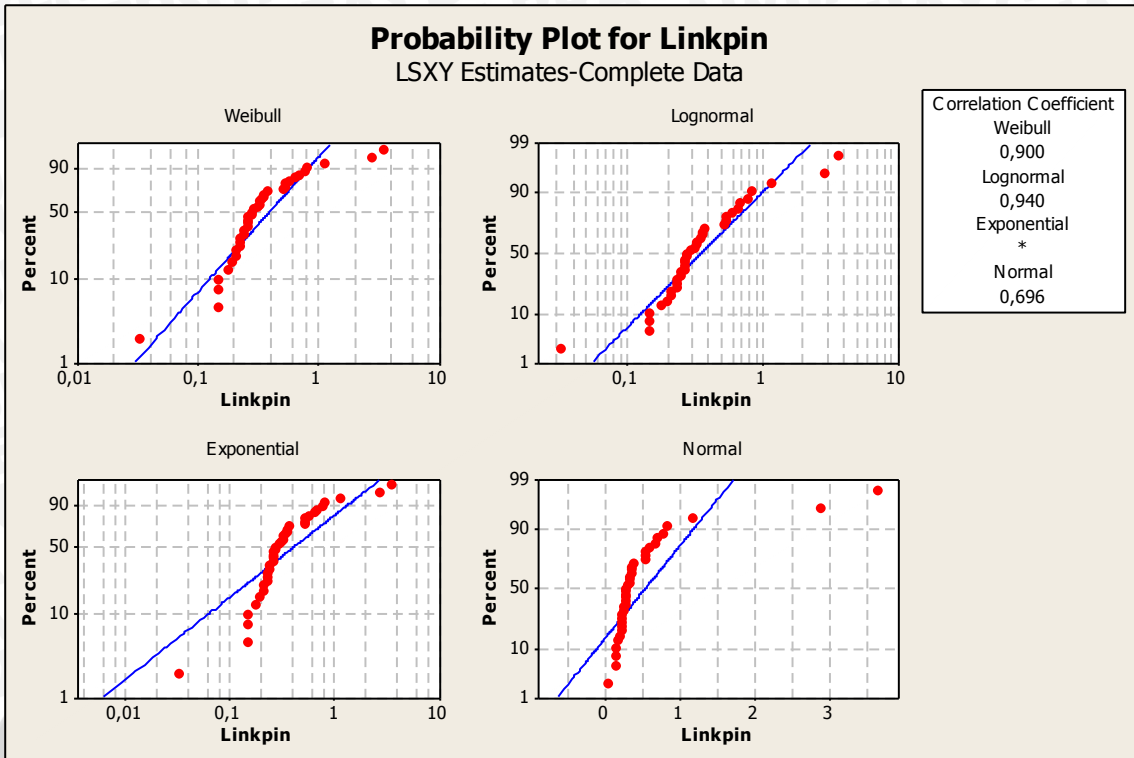
LAMPIRAN 2

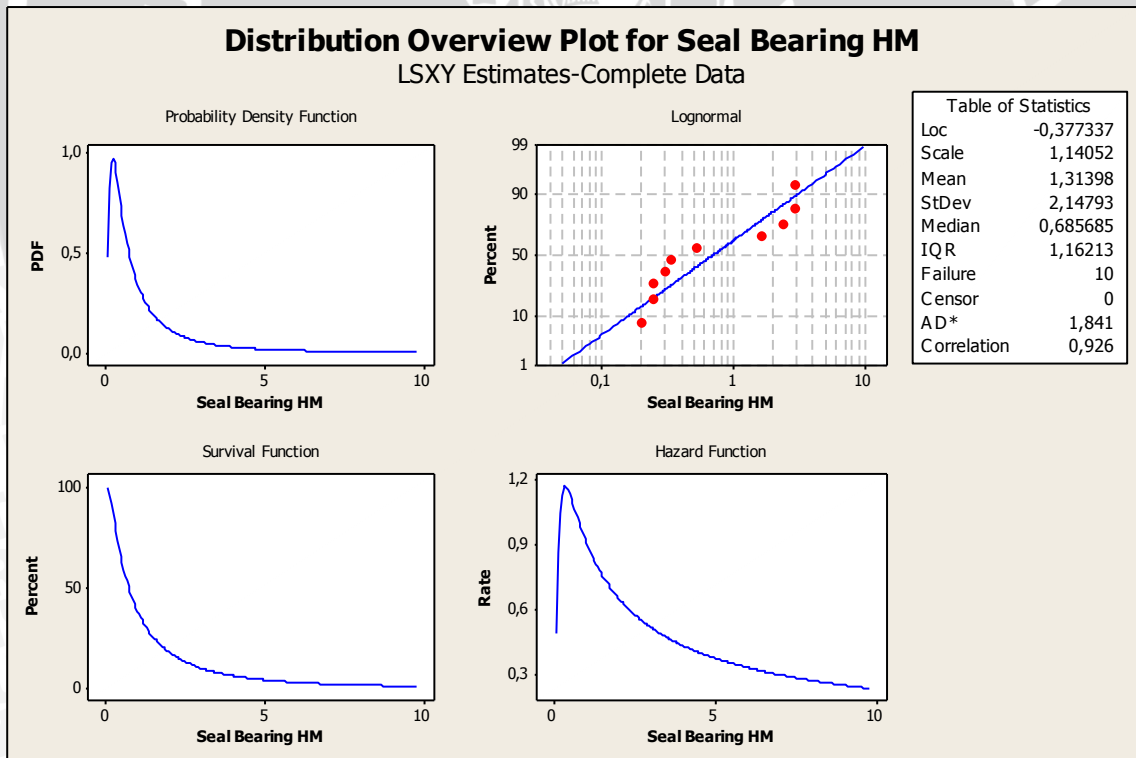
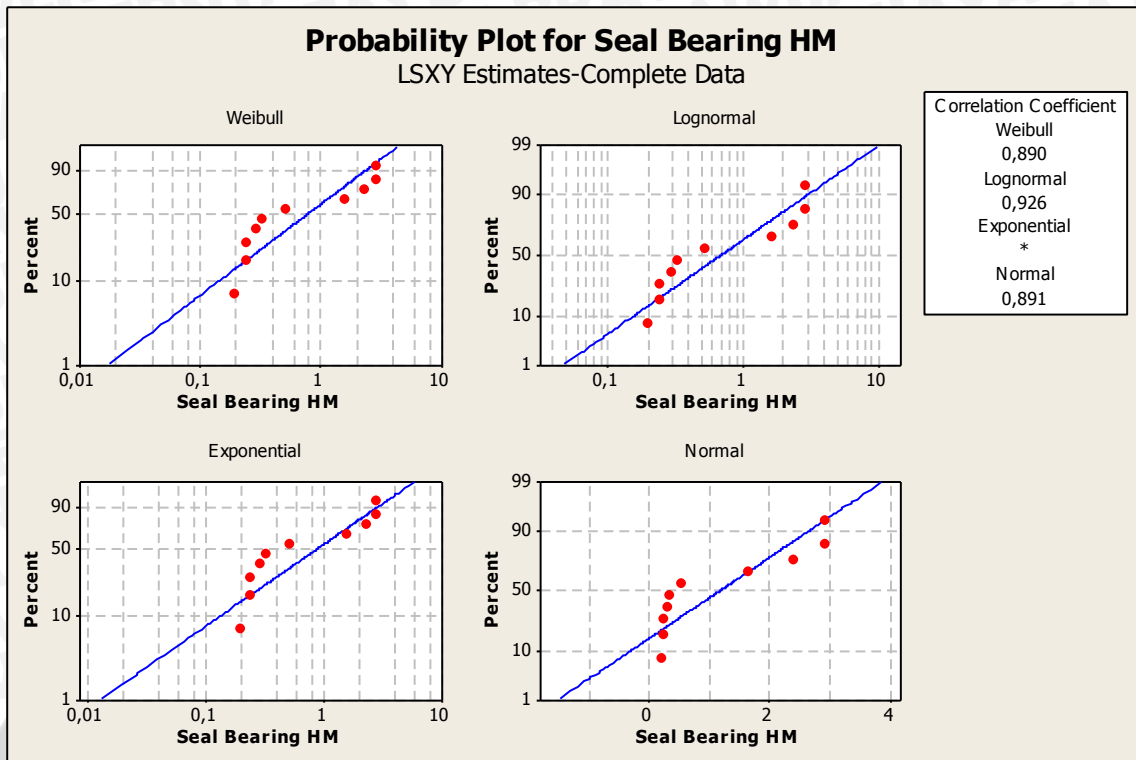
Pengujian distribusi penentuan MTTR

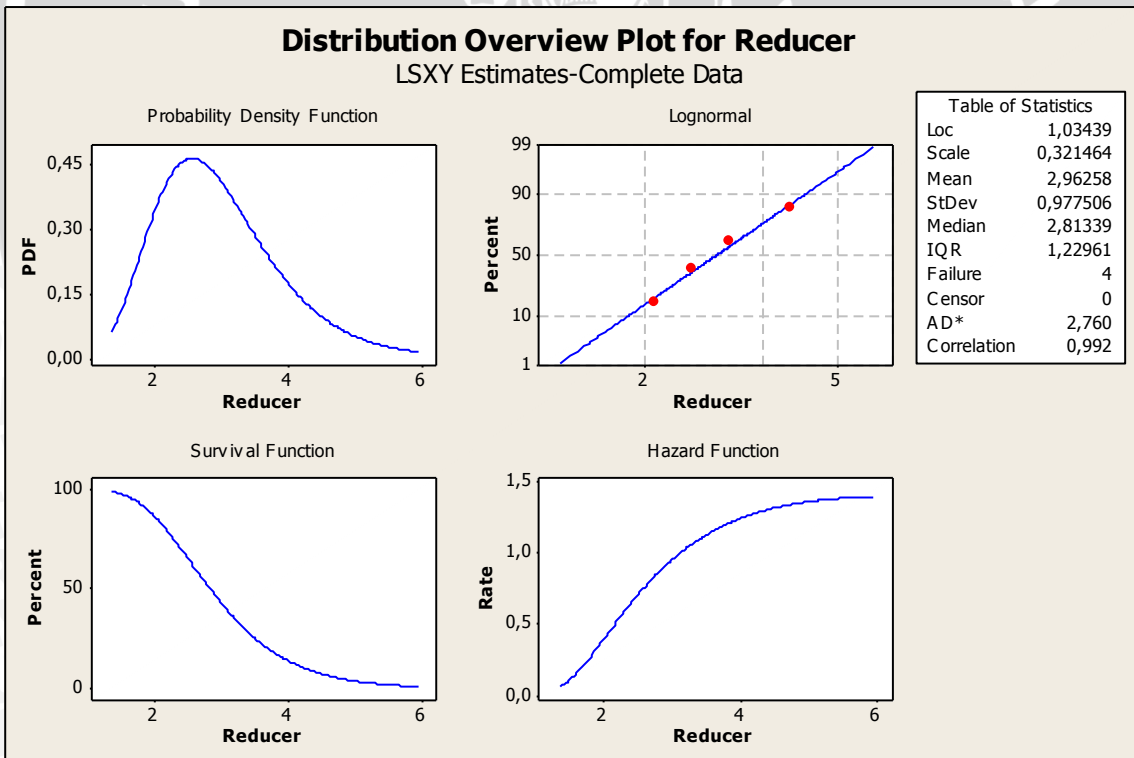
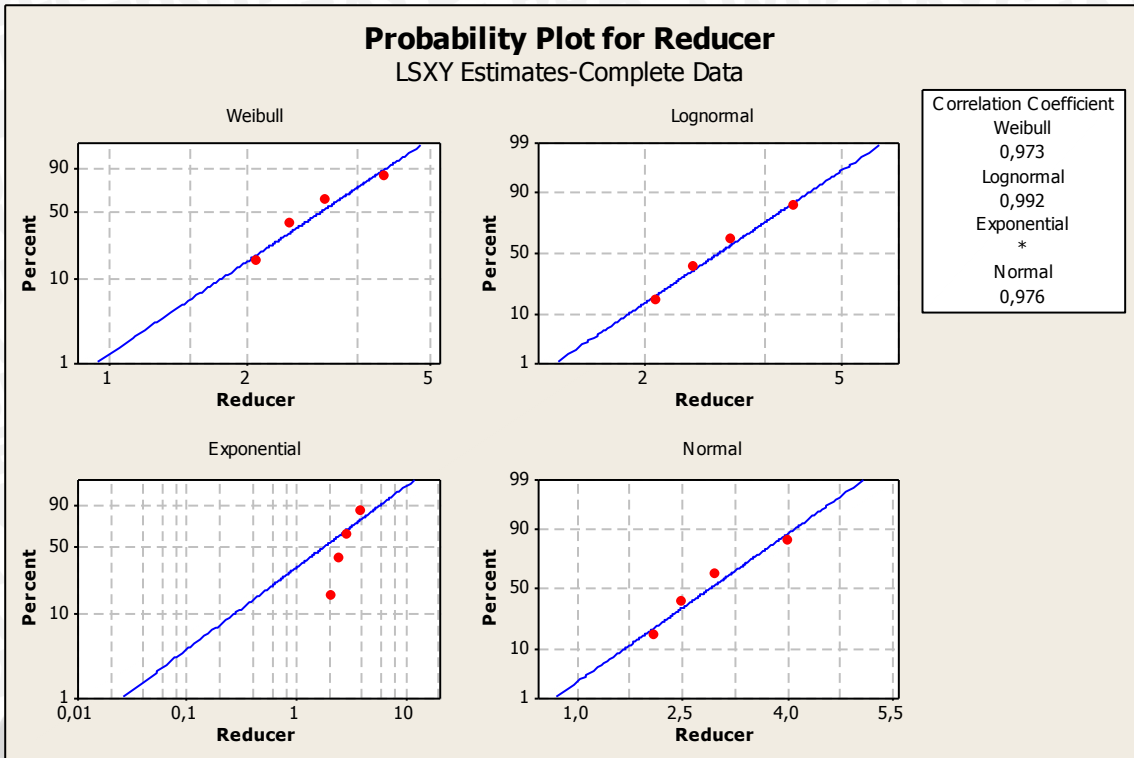












LAMPIRAN 3

Data Kerusakan Komponen Mesin Crusher

TANGGAL	EQUIP	MONTH	MASALAH	Start	Selesai	DUR	DUR(jam)	TTF
06/01/2014	232FE1	JAN	Wobbler Bar 19 Putus	8:24	16:07	7:43:00	7,717	
07/02/2014	232FE1	FEB	Wobbler Bar 19 Putus	15:20	22:15	6:55:00	6,917	767,13
16/02/2014	232FE1	FEB	Wobbler Bar 19 Putus	9:28	16:24	6:56:00	7,933	203,13
24/02/2014	232FE1	FEB	Wobbler Bar 19 Putus	9:55	11:02	1:07:00	1,117	185,31
12/03/2014	232FE2	MAR	Wobbler Bar 19 Putus	11:20	17:24	6:04:00	6,067	384,18
26/04/2014	232FE1	APR	Wobbler Bar 19 Putus	9:13	10:08	0:55:00	0,917	1071,49
27/04/2014	232FE1	APR	Wobbler Bar 19 Putus	13:15	14:12	0:57:00	0,950	27,07
31/05/2014	232FE2	MAY	Wobbler Bar 19 Putus	9:13	16:25	7:12:00	7,200	811,01
02/06/2014	232FE1	JUN	Wobbler Bar 19 Putus	13:30	18:03	4:33:00	4,550	45,05
09/07/2014	232FE1	JUL	Wobbler Bar 19 Putus	14:22	20:20	5:58:00	5,967	884,19
19/09/2014	232FE1	SEP	Wobbler Bar 19 Putus	8:20	13:32	5:12:00	5,200	1716
13/10/2014	232FE1	OCT	Wobbler Bar 19 Putus	9:12	16:31	7:19:00	7,317	571,4

TANGGAL	EQUIP	MONTH	MASALAH	Start	Selesai	DUR	DUR_dec	TTF
03/02/2014	232FE1	FEB	Hummer Mill Putus	8:24	13:10	4:46:00	4,400	
14/03/2014	232FE1	MAR	Hummer Mill Putus	9:28	11:42	2:14:00	2,233	932,18
15/03/2014	232FE2	MAR	Hummer Mill Putus	11:12	15:16	4:04:00	4,400	23,3
14/03/2014	232FE1	MAR	Hummer Mill Putus	9:28	11:42	2:14:00	2,233	66,12
15/03/2014	232FE2	MAR	Hummer Mill Putus	17:18	21:22	4:04:00	4,400	245,36
15/04/2014	232FE1	APR	Hummer Mill Aus	11:28	12:08	0:40:00	0,667	398,06
16/04/2014	232FE2	APR	Hummer Mill Putus	8:19	10:30	2:11:00	2,167	212,11
02/05/2014	232FE1	MAY	RTD H. Mill error	8:50	8:57	0:07:00	0,117	190,2
03/05/2014	232FE1	MAY	H. Mill error	9:20	9:22	0:02:00	0,033	24,03
04/05/2014	232FE1	MAY	H. Mill error	11:14	11:15	0:01:00	0,017	25,52
10/05/2014	232FE1	MAY	H. Mill error	20:13	20:45	0:32:00	0,533	152,58
29/07/2014	232FE1	JUL	Hummer Mill putus	11:12	14:05	2:53:00	2,883	1910,27
29/07/2014	232FE1	JUL	Hummer Mill failure	8:03	18:21	10:18:00	10,300	17,58
02/08/2014	232FE2	AUG	Hammer mill putus	13:09	17:18	4:09:00	4,100	66,48
24/10/2014	232FE1	OCT	Hammer Mill Putus	14:12	14:34	0:22:00	0,367	1988,54
06/11/2014	232FE1	NOV	Hummer Mill failure	8:50	12:01:00	3:11:00	3,183	306,16
24/11/2014	232FE1	NOV	Hummer Mill failure	10:13	11:30:00	1:17:00	1,283	914,12

TANGGAL	EQUIP	MONTH	MASALAH	Start	Selesai	DUR	DUR_dec	TTF
03/01/2014	232FE1	JAN	Sproket Breaker Plate macet	8:22	9:20	0:58:00	0,967	
03/01/2014	232FE1	JAN	Sproket Breaker Plate macet	18:46	19:31	0:45:00	0,750	9,06
05/01/2014	232FE1	JAN	Sproket Breaker Plate macet	9:08	9:13	0:05:00	0,083	37,37
06/01/2014	232FE1	JAN	Sproket Breaker Plate macet	10:14	11:15	1:01:00	1,017	25,01
07/01/2014	232FE1	JAN	Sproket Breaker Plate macet	10:42	10:52	0:10:00	0,167	23,27

TANGGAL	EQUIP	MONTH	MASALAH	Start	Selesai	DUR	DUR_dec	TTF
09/01/2014	232FE1	JAN	Sproket Breaker Plate macet	10:09	11:58	1:49:00	1,817	47,16
23/01/2014	232FE2	JAN	Sproket Breaker Plate macet	8:37	9:51	1:14:00	1,233	332,39
26/01/2014	232FE1	JAN	Sproket Breaker Plate macet	13:23	14:25	1:02:00	1,033	75,32
29/01/2014	232FE1	FEB	Sproket Breaker Plate macet	12:20	13:16	0:56:00	0,933	69,55
02/02/2014	232FE1	FEB	Sproket Breaker Plate macet	12:07	12:09	0:02:00	0,033	94,51
03/02/2014	232FE2	FEB	Sproket Breaker Plate macet	9:33	9:58	0:25:00	0,417	21,34
06/02/2014	232FE1	FEB	Sproket Breaker Plate macet	16:06	16:30	0:24:00	0,400	78,08
12/02/2014	232FE1	FEB	Sproket Breaker Plate macet	8:39	10:38	1:59:00	1,983	136,09
18/02/2014	232FE1	FEB	Sproket Breaker Plate macet	11:45	13:42	1:57:00	1,950	145,07
22/02/2014	232FE1	FEB	Sproket Breaker Plate macet	15:59	16:46	0:47:00	0,783	93,43
22/02/2014	232FE1	FEB	Sproket Breaker Plate macet	9:02	9:43	0:41:00	0,683	16,46
23/02/2014	232FE1	FEB	Sproket Breaker Plate macet	9:32	9:49	0:17:00	0,283	30,24
24/02/2014	232FE1	FEB	Sproket Breaker Plate macet	16:13	17:12	0:59:00	0,983	233,03
06/03/2014	232FE1	MAR	Sproket Breaker Plate macet	10:15	14:09	3:54:00	3,933	6,34
06/03/2014	232FE1	MAR	Sproket Breaker Plate macet	20:43	20:59	0:16:00	0,267	16,06
07/03/2014	232FE1	MAR	Sproket Breaker Plate macet	13:05	15:06	2:01:00	2,017	163,29
19/03/2014	232FE1	MAR	Sproket Breaker Plate macet	10:35	10:49	0:14:00	0,233	23,57
21/03/2014	232FE1	MAR	Sproket Breaker Plate macet	16:46	17:04	0:18:00	0,300	29,52
24/03/2014	232FE1	MAR	Sproket Breaker Plate macet	12:01	14:18	2:17:00	2,283	66,57
02/04/2014	232FE2	APR	Sproket Breaker Plate macet	17:30	20:13	2:43:00	2,783	69,48
17/04/2014	232FE2	APR	Sproket Breaker Plate macet	17:42	18:38	0:56:00	0,933	357,29
18/04/2014	232FE2	APR	Sproket Breaker Plate macet	9:19	10:16	0:57:00	0,950	15,41
04/05/2014	232FE1	MAY	Sproket Breaker Plate macet	13:45	14:50	1:05:00	1,083	367,29
13/05/2014	232FE2	MAY	Sproket Breaker Plate macet	16:42	18:35	1:53:00	1,950	214,08
16-Jun-14	232FE2	JUN	Sproket Breaker Plate macet	8:32	9:12	0:40:00	0,667	805,57

TANGGAL	EQUIP	MONTH	MASALAH	Start	Selesai	DUR	DUR_dec	TTF
17-Jun-14	232FE2	JUN	Sproket Breaker Plate macet	12:32	13:31	0:59:00	0,983	27,2
23-Jun-14	232FE1	JUN	Sproket Breaker Plate macet	8:39	9:48	1:09:00	1,150	139,08
28-Jun-14	232FE2	JUN	Sproket Breaker Plate macet	16:01	16:44	0:43:00	0,717	126,13
27-Jul-14	232FE2	JUL	Sproket Breaker Plate macet	9:37	10:33	0:56:00	0,933	668,53
29-Jul-14	232FE2	JUL	Sproket Breaker Plate macet	5:12	5:22	0:10:00	0,167	42,39
30-Aug-14	232FE2	AUG	Sproket Breaker Plate macet	8:41	9:19	0:38:00	0,633	771,19
04-Sep-14	232FE2	SEP	Sproket Breaker Plate macet	16:00	17:03	1:03:00	1,050	126,41
15-Sep-14	232FE2	SEP	Sproket Breaker Plate macet	11:38	11:46	0:08:00	0,133	258,36
23-Sep-14	232FE2	SEP	Sproket Breaker Plate macet	8:43	9:04	0:21:00	0,350	188,57
24-Oct-14	232FE2	OKT	Sproket Breaker Plate macet	13:22	13:50	0:28:00	0,467	748,18
02-Nov-14	232FE1	NOV	Sproket Breaker Plate macet	9:51	10:43	0:52:00	0,867	212,01
12-Dec-14	232FE2	DEC	Sproket Breaker Plate macet	18:41	19:50	1:09:00	1,150	167,58
17-Dec-14	232FE1	DEC	Sproket Breaker Plate macet	10:32	10:55	0:23:00	0,383	110,42
19-Dec-14	232FE2	DEC	Sproket Breaker Plate macet	14:10	16:57	2:47:00	2,717	51,15

TANGGAL	EQUIP	MONTH	MASALAH	Start	Selesai	DUR	DUR(jam)	TTF
05/01/2014	232FE1	JAN	Linkpin Putus	18:28	19:04	0:36:00	0,600	0
08/01/2014	232FE1	JAN	Linkpin Modot	8:33	8:47	0:14:00	0,233	61,29
22/01/2014	232FE1	JAN	Linkpin Putus	11:12	11:52	0:40:00	0,667	538,25
25/01/2014	232FE1	JAN	Linkpin Modot	8:24	8:35	0:11:00	0,367	68,32
29/01/2014	232FE1	JAN	Linkpin Putus	14:22	14:38	0:16:00	0,267	101,47
01/02/2014	232FE2	FEB	Linkpin Modot	13:50	14:40	0:50:00	0,833	71,12
05/02/2014	232FE1	FEB	Linkpin Modot	11:12	11:34	0:22:00	0,367	95,32
22/02/2014	232FE1	FEB	Linkpin Putus	10:11	10:25	0:14:00	0,233	406,26

TANGGAL	EQUIP	MONTH	MASALAH	Start	Selesai	DUR	DUR(jam)	TTF
14/03/2014	232FE2	MAR	Linkpin Modot	10:50	11:02	0:12:00	0,200	240,25
20/03/2014	232FE1	MAR	Linkpin Modot	9:50	10:32	0:42:00	0,700	142,48
24/03/2014	232FE1	MAR	Linkpin Putus	15:20	18:13	2:53:00	2,883	100,48
30/03/2014	232FE1	MAR	Linkpin Modot	15:05	15:38	0:33:00	0,550	141,52
15/04/2014	232FE1	APR	Linkpin Modot	9:30	11:09	1:39:00	3,650	377,52
22/04/2014	232FE2	APR	Linkpin Putus	11:55	12:07	0:12:00	0,033	168,46
25/04/2014	232FE1	APR	Linkpin Modot	15:20	15:53	0:33:00	0,550	68,47
30/04/2014	232FE1	APR	Linkpin Modot	15:02	15:23	0:21:00	0,350	119,09
14/05/2014	232FE1	MAY	Linkpin Putus	11:14	11:34	0:20:00	0,333	231,51
17/05/2014	232FE1	MAY	Linkpin Modot	11:11	11:27	0:16:00	0,267	71,37
25/05/2014	232FE1	MAY	Linkpin Modot	15:02	15:15	0:13:00	0,217	118,25
05/06/2014	232FE1	JUN	Linkpin Modot	15:14	15:31	0:17:00	0,283	263,59
19/06/2014	232FE1	JUN	Linkpin Putus	9:30	10:02	0:32:00	0,533	329,59
24/06/2014	232FE2	JUN	Linkpin Putus	10:28	10:46	0:18:00	0,300	119,34
05/07/2014	232FE1	JUL	Linkpin Putus	10:13	11:23	1:10:00	1,167	264,33
20/07/2014	232FE1	JUL	Linkpin Putus	9:28	9:44	0:16:00	0,267	265,55
24/07/2014	232FE1	JUL	Linkpin Putus	11:20	11:29	0:09:00	0,150	97,36
27/08/2014	232FE2	AUG	Linkpin Modot	14:20	14:35	0:15:00	0,250	818,51
30/08/2014	232FE2	AUG	Linkpin Putus	15:20	15:31	0:11:00	0,183	72,45
01/09/2014	232FE2	SEP	Linkpin Putus	11:12	11:29:00	0:17:00	0,283	43,41
22/09/2014	232FE2	SEP	Linkpin Putus	10:50	11:10:00	0:20:00	0,333	503,24
17/10/2014	232FE1	OCT	Linkpin Putus	9:28	9:51	0:23:00	0,383	135,18
23/10/2014	232FE1	OCT	Linkpin Putus	8:20	9:07	0:47:00	0,783	142,29
14/11/2014	232FE1	NOV	Linkpin Modot	10:10	10:24:00	0:14:00	0,233	526,57
18/11/2014	232FE1	NOV	Linkpin Putus	8:33	8:48:00	0:15:00	0,250	94,09

TANGGAL	EQUIP	MONTH	MASALAH	Start	Selesai	DUR	DUR(jam)	TTF
25/11/2014	232FE2	NOV	Linkpin Putus	13:20	13:36:00	0:16:00	0,267	163,28
14/12/2014	232FE1	DEC	Linkpin Putus	13:55	14:14	0:19:00	0,317	480,19
19/12/2014	232FE2	DEC	Linkpin Putus	15:02	15:11	0:09:00	0,150	119,12
23/12/2014	232FE2	DEC	Linkpin Putus	10:33	10:42	0:09:00	0,150	91,22
28/12/2014	232FE1	DEC	Linkpin Putus	13:12	13:25	0:13:00	0,217	122,3

TANGGAL	EQUIP	MONTH	MASALAH	Start	Selesai	DUR	DUR(jam)	TTF
03/01/2014	232FE1	JAN	Seal Bearing Hummer Bocor	8:37	8:49	0:12:00	0,200	
09/01/2014	232FE1	JAN	Seal Bearing Hummer Bocor	9:30	9:45	0:15:00	0,250	144,41
03/02/2014	232FE1	FEB	Seal Bearing Hummer Bocor	8:33	8:51	0:18:00	0,300	526,48
08/02/2014	232FE1	FEB	Seal Bearing Hummer Bocor	9:50	10:05	0:15:00	0,250	121,01
19/02/2014	232FE1	FEB	Seal Bearing Hummer Bocor	10:50	13:14	2:24:00	2,400	264,45
22/02/2014	232FE1	FEB	Seal Bearing Hummer Bocor	9:50	10:22	0:32:00	0,533	68,36
24/03/2014	232FE1	MAR	Seal Bearing Hummer Bocor	15:13	18:06	2:53:00	2,950	748,51
03/06/2014	232FE3	JUN	Seal Bearing Hummer Bocor	15:29	18:22	2:53:00	2,950	1461,23
11/06/2014	232FE2	JUN	Seal Bearing Hummer Bocor	17:20	17:40	0:20:00	0,333	190,58
14/09/2014	232FE1	SEP	Seal Bearing Hummer Bocor	10:11	11:50:00	1:39:00	1,650	2546,31

TANGGAL	EQUIP	MONTH	MASALAH	Start	Selesai	DUR	DUR_dec	TTF
20/02/2014	232FE1	FEB	Reducer pecah	10:13	12:19	2:06:00	2,100	
27/03/2014	232FE1	MAR	Reducer pecah	15:13	18:12	2:59:00	2,983	861,06
13/06/2014	232FE2	JUN	Reducer pecah	17:20	19:50	2:30:00	2,500	1774,08
30/08/2014	232FE2	AUG	Reducer pecah	14:00	18:00	4:00:00	4,000	1866,1

Minggu ke Bulan ke Tahun (2014-2015)

Minggu ke Bulan ke Tahun (2014-2015)																											
3				4				5				6				7				8				9			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
X			X, V			X	V		X		V	X			X, V			X	V	X			X				X, V
X			X, V			X	V		X		V	X			X, V			X	V	X			X				X, V
X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V	X, V
	X, V		V		V		V		V		V																
			X	V			X		V		X			V	X			X, V					X	V			X
			X, V				X				X, V				X			X, V					X				X, V

LAMPIRAN 5

Harga Sparepart Komponen Crusher

EQUIP	RENCANA KEGIATAN	PROBLEM LAPANGAN	KEBUTUHAN MATERIAL / JASA							
			STOCK NO.	NAMA MATERIAL / JASA	QTY	SAT	UNIT PRICE	TOTAL BIAYA	BEBAN BIAYA PEMELIHARAAN	BEBAN BIAYA INVESTASI
TOTAL BIAYA ACTIVITY PLAN							9.024.598.887	2.635.069.887	6.389.529.626	
233C R1	GANTI CHUTE BAWAH ROTOR & BY PASS	CHUTE AUS & BOCOR	608-200135	PLATE, WEAR RESIST: 10MM X 1500MM X 3000MM STANDARD EN 1	5	SH	7.238.778,00	36.193.890,00	36.193.890,00	
	BREAKER: PLATE BED; P/N.CH7072-144A; ITEM 26 FOR BREAKER	BREAKER PLATE AUS & PECAH	301-200613	BREAKER: PLATE BED; P/N.CH7072-144A; ITEM 26 FOR BREAKER PLATE ASSEMBLY HMIS-07- NC-CB NON CLOG HAMMER MILL S/N 306 X 596 MANUF	1	ST	1.000.000.000,00	1.000.000.000,00	1.000.000.000,00	
	GANTI LINK PIN	LINK PIN PUTUS - PUTUS	301-200424	LINK PIN, BREAKER PLATE: C/W.NUT.35MM DIA X 876MM LG (FORGING STEEL) DATA TAMBAHAN: - MATN CHROM MOLYBDENUM STEEL (SCM440/JIS G4	76	EA	521.300,00	39.618.800,00	39.618.800,00	
	GANTI LINK BAR BREAKER PLATE YANG RUSAK (SELECTIVE)	LINK BAR BREAKER PLATE CRACK	301-200578	LINK BAR BREAKER PLATE,MATE RIAL MANGAAN STEEL REFF.DWG- NO..PT303-M-038,SHT 1 OF 1,REV 0 GARANSI: MINIMAL 1TAHUN.	20	EA	4.339.451,00	86.789.020,00	86.789.020,00	
	GANTI WEAR PLATE	WEAR PLATE AUS & PECAH	608-200312	PLATE, WEAR RESIST F/BREAKER	1	EA	40.416.666,00	40.416.666,00	40.416.666,00	
		BOLT COUNTERSUNK PUTUS	615-200829	BOLT COUNTER SUNK 30 X 120	15	EA	95.000,00	1.425.000,00	1.425.000,00	
		BOLT COUNTERSUNK PUTUS	615-200828	BOLT COUNTER SUNK 30 X 110	29	EA	95.412,00	2.766.948,00	2.766.948,00	
	GANTI HAMMER	HAMMER AUS	301-200311	HAMMER CRUSHER, FABRIKASI SESUAI DWG.NO.PT-303-M-010, DATA TAMBAHAN : ... SHT 1 ... SHT 1 OF 1, REV.1 MATERIAL MANGANES STEEL GA	18	EA	6.850.000,00	123.300.000,00	123.300.000,00	

	GANTI HAMMER BOLT	HAMMER BOLT AUS	301-200316	HAMMER BOLT/SHAFT HAMMER CRUSHER. MAT'L. 618 SUPREME NI= 1.0 ... NI= 1.0%, HB.280 - 325. REFF.DWG-NO.PT-303-M-036, SHT 1 OF 1,	3	EA	10.989.000,00	32.967.000,00	32.967.000,00	
	GANTI COUPLING PIN HAMMER	RUBBER AUS & PECAH	301-200087	SLEEVE, RUBBER MAT'L: NITRILE RUBBER DENGAN LILITAN DARI NYLON 10 PLY (ENDLESS) RUBBER HARDNESS 70 DUROMETER; REFF DWG. NO PT-3	28	EA	229.570,00	6.427.960,00	6.427.960,00	
		COUPLING PIN BENGKOK	301-200450	PIN COUPLING SIZE: 25MM DIA X 163MM LG (THREADS 14G.7/16) C/W.HEX NUT, MAT'L SS 304, REFF.DWG.NO.PT-303-M-056, SHT 1 OF 1,REV.0	56	EA	90.715,00	5.080.040,00	5.080.040,00	
	GANTI FLANGE ASSY COUPLING HAMMER P/N BH7060-88K	FLANGE ASSY GELOMBANG , THREAD CACAT	301-200595	FLANGE ASSY, P/N.BH7060-88K F/HAMMER MILL HMISS 07 "SVEDALA" UNIVERSAL ENGINEERING DIVISION	1	ST	650.000.000,00	650.000.000,00		650.000.000,00
	LINER CLEANING BAR DARI PLATE 50 MM	LINER CLEANING BAR AUS & MUDAH JATUH	608-200174	PLATE, STEEL; 50MM X 6FT X 20FT; STANDARD SNI	1	SH	35.520.000,00	35.520.000,00	35.520.000,00	
233F E1	GANTI SEAL WOBLER	SEAL WOBLER AUS , CACAT & BOCOR	329-200699	SEAL OIL,SIZE 8.5"X10"X0.625" WITHOUT BOTTOM "CR"85009	38	EA	626.520,00	23.807.760,00	23.807.760,00	626
			329-200698	SEAL OIL,SIZE 8.5"X10"X0.625" WITH BOTTOM/PIN 8 EA & 2MM DATA TAMBAHAN : MERK"CR"597490	38	EA	1.665.041,00	63.271.558,00	63.271.558,00	
	GANTI BRONZE BEARING WOBLER YANG AUS (SELECTIVE)	GANTI BRONZE BEARING AUS	329-200057	BEARING, SPHERICAL BRONZE P/N CW304C ITEM NO 5 INCLUDE PIN BEARING GUIDE 1" X 1.9/16 " P/N CW 304D FOR WOBLER FEEDER 60" X 19	15	EA	17.833.217,00	267.498.255,00	267.498.255,00	
	CHEK HYDRAULIC TAKE UP	BEARING TAKE .UP LOOSE	311-200168	BEARING, RLR SP; 22213 EQ (EAS); FAG/SKF	4	EA	447.386,00	1.789.544,00	1.789.544,00	
	CHEK SPROCKET PINION	BEARING SPROCKET PINION LOOSE	329-200052	BEARING, RLR SP; 22315 CC/W33; SKF/FAG	1	EA	986.840,00	986.840,00	986.840,00	
			329-200051	BEARING, SPHER. ROLLER 22226-CC/W33 "SKF/FAG" .	1	EA	2.047.666,00	2.047.666,00	2.047.666,00	
			329-200065	SEAL P/N.48769 F/HYDRAULIC CHAIN TENSION SYSTEM WOBLER FE DATA TAMBAHAN : FEEDER, MNF "SVEDALA" UNIVERSAL ENG.DIVISION	1	EA	1.520.000,00	1.520.000,00	1.520.000,00	
	CHEK / GANTI SPROCKET	SPROCKET WOBLER TEETH AUS	624-200718	SPROCKET,INTERMEDIATE SPROCKET17T-160H3 (TRIPPLE STRAND)	3	EA	39.170.413,00	117.511.239,00	117.511.239,00	

	WOBLER SELECTIVE			P/N.E2251700HI200 MATZ ST90 WITH TREATMENT PADA GIGI C/W.: -GARANSI 1					0	
			624-200719	SPROCKET,TRIPPLE STRAND (HEAD<(>&<)>-TAIL) 17T-160H3 P/N.E2841700HT200 MATZ ST90 WITH TREATMENT PADA GIGI C/W.: -GARANSI 1 TAHUN	1	EA	35.472.520,00	35.472.520,00	35.472.520,00	
	GANTI CHAIN WOBLER	CHAIN WOBLER AUS & MOLOR	624-200217	CHAIN, ROLLER: 160H-3 TRIPPLE DIAMOND EX.USA SUPER HEAVY DUTY C/W LINK MASTER CHAIN. Note: - SETIAP 1 ROLL/3MTR CHAIN ADA 1EACH	15	M T	7.772.278,00	116.584.170,00	116.584.170,00	
			325-201006	CHAIN, MASTER (LINK)"DIAMOND" EX USA F/ROLLER CHAIN 160H-3 TAMBAHAN DATA: ...TRIPLE STRAND,HEAVY DUTY DIAMOND EX USA -GARANSI M	5	EA	870.000,00	4.350.000,00	4.350.000,00	
	GANTI SPACER HOLD DOWN BAR	SPACER PANJANG TIDAK SAMA	329-200646	SPACER HOLD DOWN BAR P/N C1089-G279 ITEM NO 13 FOR WOBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBLER FEEDER S/N 424 X 490 MANU	16	EA	604.183,00	9.666.928,00	9.666.928,00	
	GANTI HOLD DOWN BLOCK	HOLD DOWN BLOCK AUS	329-200695	BLOCK, HOLD DOWN BLOCK REFF. DWG-NO.PT-303-M-069 SHT 1 OF 1 REV.1	19	EA	422.844,00	8.034.036,00	8.034.036,00	
	GANTI HOLD DOWN BAR	HOLD DOWN BAR AUS	301-200349	BAR HOLD DOWN P/N C1089-B376 ITEM NO 4 FOR WOBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBLER FEEDER S/N 424 X 490 MANUFACTURE	3		18.750.000,00	56.250.000,00	56.250.000,00	
	GANTI SUPPORT HOLD DOWN BAR (SELEKTIF)		329-200648	HOLD DOWN PLATE P/N C1089-AS132 ITEM NO 6 FOR WOBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBLER FEEDER S/N 424 X 490 MANUFACTU	4		2.190.000,00	8.760.000,00	8.760.000,00	
233C R2	GANTI LINK PIN	LINK PIN PUTUS - PUTUS	301-200424	LINK PIN, BREAKER PLATE: C/W.NUT.35MM DIA X 876MM LG (FORGING STEEL) DATA TAMBAHAN: - MATN CHROM MOLYBDENUM STEEL (SCM440)/JIS G4	76	EA	521.300,00	39.618.800,00	39.618.800,00	
	GANTI LINK BAR BREAKER PLATE YANG RUSAK (LINK BAR BREAKER PLATE CRACK	301-200578	LINK BAR BREAKER PLATE,MATE RIAL MANGAAN STEEL REFF.DWG-NO..PT303-M-038,SHT 1 OF 1,REV 0	20	EA	4.339.451,00	86.789.020,00	86.789.020,00	

SELECTIVE)

GARANSI: MINIMAL 1TAHUN.

	GANTI WEAR PLATE	WEAR PLATE AUS & PECAH	608-200312	PLATE, WEAR RESIST F/BREAKER	1	EA	40.416.666,00	40.416.666,00	40.416.666,00	
		BOLT COUNTERSUNK PUTUS	615-200829	BOLT COUNTER SUNK 30 X 120	15	EA	95.000,00	1.425.000,00	1.425.000,00	
		BOLT COUNTERSUNK PUTUS	615-200828	BOLT COUNTER SUNK 30 X 110	29	EA	95.412,00	2.766.948,00	2.766.948,00	
	GANTI HAMMER	HAMMER AUS	301-200311	HAMMER CRUSHER, FABRIKASI SESUAI DWG.NO.PT-303-M-010, DATA TAMBAHAN : .. SHT 1 ... SHT 1 OF 1, REV.1 MATERIAL MANGANES STEEL GA	18	EA	6.850.000,00	123.300.000,00	123.300.000,00	
	GANTI HAMMER BOLT	HAMMER BOLT AUS	301-200316	HAMMER BOLT/SHAFT HAMMER CRUSHER. MAT'L. 618 SUPREME NI= 1.0 ... NI= 1.0%, HB.280 - 325. REFF.DWG-NO.PT-303-M-036, SHT 1 OF 1,	3	EA	10.989.000,00	32.967.000,00	32.967.000,00	
	GANTI COUPLING PIN HAMMER	RUBBER AUS & PECAH	301-200087	SLEEVE, RUBBER MAT'L: NITRILE RUBBER DENGAN LILITAN DARI NYLON 10 PLY (ENDLESS) RUBBER HARDNESS 70 DUROMETER; REFF DWG. NO PT-3	28	EA	229.570,00	6.427.960,00	6.427.960,00	
		COUPLING PIN BENGKOK	301-200450	PIN COUPLING SIZE: 25MM DIA X 163MM LG (THREADS 14G.7/16) C/W.HEX NUT, MAT'L SS 304, REFF.DWG.NO.PT-303-M-056, SHT 1 OF 1,REV.0	56	EA	90.715,00	5.080.040,00	5.080.040,00	
	GANTI FLANGE ASSY COUPLING HAMMER P/N BH7060-88K	FLANGE ASSY GELOMBANG , THREAD CACAT	301-200595	FLANGE ASSY, P/N.BH7060-88K F/HAMMER MILL HMISS 07 "SVEDALA" UNIVERSAL ENGINEERING DIVISION	1	ST	650.000.000,00	650.000.000,00	650.000.000,00	
			329-200647	SUPPORT WELDMENT HOLD DOWN BAR P/N C1089-279UD ITEM NO 10 FOR WOBBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBBLER FEEDER S/N 424	12		3.369.000,00	40.428.000,00	40.428.000,00	
233F E2	HOUSING BEARING PECAH NO.19 (PECAH 1-2 MM)	HOUSING BEARING PECAH NO.19 (PECAH 1-2 MM)	301-200454	BEARING HOUSING DRIVE SIDE HEAD <(>&<)> TAIL P/N CW304B ITEM NO 13 FOR WOBBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBBLER FEEDER	1	EA	43.445.715,00	43.445.715,00	43.445.715,00	
			329-200017	BEARING HOUSING OUTBOARD P/N W305A ITEM NO 19 FOR WOBBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBBLER FEEDER S/N 424 X 490	1	EA	26.367.824,00	26.367.824,00	26.367.824,00	

				MANUF						
			329-200001	BAR,WOBBLER BAR P/N B1089-379A ITEM NO 1 INCLUDE END CAP 7.7/16" OD X 1" P/N A1089-A262 ITEM NO 6 , CAPSCREW 1"-8 NC X 3" FOR W	1	EA	213.221.456,00	213.221.456,00	213.221.456,00	
			329-200055	PLATE,SIDE WEAR PLATE DRIVE SIDE P/N CW306AT ITEM NO 10 FOR WOBBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBBLER FEEDER S/N 424 X	19	EA	2.267.860,00	43.089.340,00	43.089.340,00	
			329-200054	PLATE,SIDE WEAR PLATE , OUTBOARD SIDE P/N CW306A ITEM NO 20 FOR WOBBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBBLER FEEDER S/N 4	19	EA	1.947.526,00	37.002.994,00	37.002.994,00	
			329-200769	SPACER BEARING P/N CW317F ITEM NO 12 FOR WOBBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBBLER FEEDER S/N 424 X 490 MANUFACTURE "	1	EA	10.045.590,00	10.045.590,00	10.045.590,00	
			329-200063	RING,SPIROLOX:WH 1025	1	EA	330.000,00	330.000,00	330.000,00	
			329-200039	BEARING, RLR SP; 23034 C3/W33.; SKF/FAG	1	EA	3.000.000,00	3.000.000,00	3.000.000,00	
			329-200765	SPACER, BEARING BLOCK; DRIVE SIDE 2" P/N CW306B2 ITEM NO 14 FOR WOBBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBBLER FEEDER S/N 4	2	EA				
			329-200766	SPACER, BEARING BLOCK; DRIVE SIDE 1" P/N CW306B1 ITEM NO 15 FOR WOBBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBBLER FEEDER S/N 4	2	EA				
			329-200767	SPACER, BEARING BLOCK; OUTBOARD 1" P/N CW306C1 ITEM NO 17 FOR WOBBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBBLER FEEDER S/N 424	2	EA				
			329-200768	SPACER, BEARING BLOCK; OUTBOAR 2" P/N CW306C2 ITEM NO 18 FOR WOBBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBBLER FEEDER S/N 424	2	EA				
	CHEK HYDRAULIC TAKE UP	BEARING TAKE .UP LOOSE	311-200168	BEARING, RLR SP; 22213 EQ (EAS); FAG/SKF	4	EA	447.386,00	1.789.544,00	1.789.544,00	

	CHEK SPROCKET PINION	BEARING SPROCKET PINION LOOSE	329-200052	BEARING, RLR SP; 22315 CC/W33; SKF/FAG	1	EA	986.840,00	986.840,00	986.840,00	
			329-200051	BEARING, SPHER. ROLLER 22226-CC/W33 "SKF/FAG" .	1	EA	2.047.666,00	2.047.666,00	2.047.666,00	
			329-200065	SEAL P/N.48769 F/HYDRAULIC CHAIN TENSION SYSTEM WOBLER FE DATA TAMBAHAN : FEEDER, MNF "SVEDALA" UNIVERSAL ENG.DIVISION	1	EA	1.520.000,00	1.520.000,00	1.520.000,00	
	CHEK / GANTI SPROCKET WOBLER SELECTIVE	SPROCKET WOBLER TEETH AUS	624-200718	SPROCKET,INTERMEDIATE SPROCKET17T-160H3 (TRIPPLE STRAND) P/N.E2251700HI200 MATZ ST90 WITH TREATMENT PADA GIGI C/W.: -GARANSI 1	3	EA	39.170.413,00	117.511.239,00	117.511.239,00	
			624-200719	SPROCKET,TRIPPLE STRAND (HEAD(>&<)>TAIL) 17T-160H3 P/N.E2841700HT200 MATZ ST90 WITH TREATMENT PADA GIGI C/W.: -GARANSI 1 TAHUN	1	EA	35.472.520,00	35.472.520,00	35.472.520,00	
	GANTI CHAIN WOBLER	CHAIN WOBLER AUS & MOLOR	624-200217	CHAIN, ROLLER: 160H-3 TRIPPLE DIAMOND EX.USA SUPER HEAVY DUTY C/W LINK MASTER CHAIN. Note: - SETIAP 1 ROLL/3MTR CHAIN ADA 1EACH	15	M T	7.772.278,00	116.584.170,00	116.584.170,00	
			325-201006	CHAIN, MASTER (LINK)"DIAMOND" EX USA F/ROLLER CHAIN 160H-3 TAMBAHAN DATA: ...TRIPLE STRAND,HEAVY DUTY DIAMOND EX USA -GARANSI M	5	EA	870.000,00	4.350.000,00	4.350.000,00	
	GANTI SPACER HOLD DOWN BAR	SPACER PANJANG TIDAK SAMA	329-200646	SPACER HOLD DOWN BAR P/N C1089-G279 ITEM NO 13 FOR WOBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBLER FEEDER S/N 424 X 490 MANU	16	EA	604.183,00	9.666.928,00	9.666.928,00	
	GANTI HOLD DOWN BLOCK	HOLD DOWN BLOCK AUS	329-200695	BLOCK, HOLD DOWN BLOCK REFF. DWG-NO.PT-303-M-069 SHT 1 OF 1 REV.1	19	EA	422.844,00	8.034.036,00	8.034.036,00	
	GANTI HOLD DOWN BAR	HOLD DOWN BAR AUS	301-200349	BAR HOLD DOWN P/N C1089-B376 ITEM NO 4 FOR WOBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBLER FEEDER S/N 424 X 490 MANUFACTURE	3		18.750.000,00	56.250.000,00	56.250.000,00	
	GANTI SUPPORT HOLD DOWN BAR (SELEKTIF)		329-200648	HOLD DOWN PLATE P/N C1089-AS132 ITEM NO 6 FOR WOBLER FEEDER 60" X 19 BAR 12.1/2" PITCH WOBLER	4		2.190.000,00	8.760.000,00	8.760.000,00	

				FEEDER S/N 424 X 490 MANUFACTU						
243B C3	GANTI REDUCER C/W INCHING (INVESTASI TH.2013)	REDUCER TYPE PLC67-R11-V04-80-Z1 3 STAGE BEVEL HELICAL, REDUCER FOOT MOUNTED C/W BACKSTOP <(>&<)> INCHING DRIVE, COUPLING (HIGH	611-201869	REDUCER TYPE PLC67-R11-V04-80-Z1 3 STAGE BEVEL HELICAL, REDUCER FOOT MOUNTED C/W BACKSTOP <(>&<)> INCHING DRIVE, COUPLING (HIGH	1	UT	3.583.750.000,0 0	3.583.750.000,0 0		3.583.750.00 0,00
243B CA	GANTI REDUCER B3HH12C (INVESTASI TH.2012)	REDUCER SUARA KASAR & SEAL BOCOR	624-200460	REDUCER, MOD. B3HH12C, P:250KW SERIAL NO.457.704.336-002-1..2 Tambahan data: RPM 1500/53.88, MNF "FLENDER" C/W. BACKSTOP.	1	UT	505.779.000,00	505.779.000,00		505.779.000, 00
	MODIFIKASI DRUM BREAK KE COUPLING STEEL FLEX MO1 & MO2	DRUM BREAK SERING VIBRASI KARENA BANYAK MATERIAL	620-200089	COUPLING, ST.FLEX "FALK" 1100T10, MAX.BORE 4.000" .	2	ST	5.950.000,00	11.900.000,00	11.900.000,00	
243B C5	SERVICE REDUCER	SEAL LS REDUCER BOCOR	616-201705	SEAL, OIL: 70MMX90MMX10 HMSA10V; SKF	1	EA	123.000,00	123.000,00	123.000,00	
			624-200393	SEAL, OIL 210MM X 240MM X 15MMP/N.14, F/REDUCER "PARAMAX" TYPE : PX8095P3-RL-50 POWER: 200KW RPM : 1500 RATIO: 47.936, SF 1.62	1	EA	1.249.000,00	1.249.000,00	1.249.000,00	
	GANTI BEND DRUM REAR	POWER LOCK LOOSES	621-200442	PULLEY, TAIL PULLEY DIA600MM XLG2850MM PLATE (THICK):12MM REFF.DWG.PIV-00-M1-SD-035R, PULLEY NO.01 ITEM NO.242BC5 C/W.: - LAGGING	1	EA	62.500.000,00	62.500.000,00	62.500.000,00	
	GANTI BEARING BEND DRUM REAR	BEARING PANAS & SUARA KASAR	623-201709	PILLOW BLOCK, BRG SD3134	2	EA	14.555.000,00	29.110.000,00	29.110.000,00	
243B C8	GANTI HOUSING REDUCER	HOUSING REDUCER AUS	325-201496	HOUSING, P/N. 01 F/REDUCER TYPE: PX8090P3-LR-40 RATIO : 39.818 ; INPUT : 200KW; SPEED : 1500 PARAMAX S/N. H7164447	1	UT	253.500.000,00	253.500.000,00	253.500.000,0 0	
243B C9	GANTI BELT CONVEYOR	BELT CONVEYOR AUS	325-200498	BELT CONV. 2000MM X 5PLY X EP 315 X 8MM X 1.5 MM	13	M T	2.302.827,00	29.936.751,00	29.936.751,00	

