

Table 3.1 Percentile $C_{k,1-\alpha}$ of the Cumulative Total Time on Test Statistic, V_k under H_0

k-1	1- α				
1	0.900	0.950	0.975	0.990	1.900
2	1.553	1.684	1.776	1.859	1.900
3	2.157	2.331	2.469	2.609	2.689
4	2.753	2.953	3.120	3.300	3.411
5	3.339	3.565	3.754	3.963	4.097
6	3.917	4.166	4.367	4.610	4.762
7	4.489	4.759	4.988	5.244	5.413
8	5.056	5.346	5.592	5.869	6.053
9	5.619	5.927	6.189	6.487	6.683
10	6.178	6.504	6.781	7.097	7.307
11	6.735	7.077	7.369	7.702	7.924
12	7.289	7.647	7.953	8.302	8.535

K= number of failures observed in incomplete sample

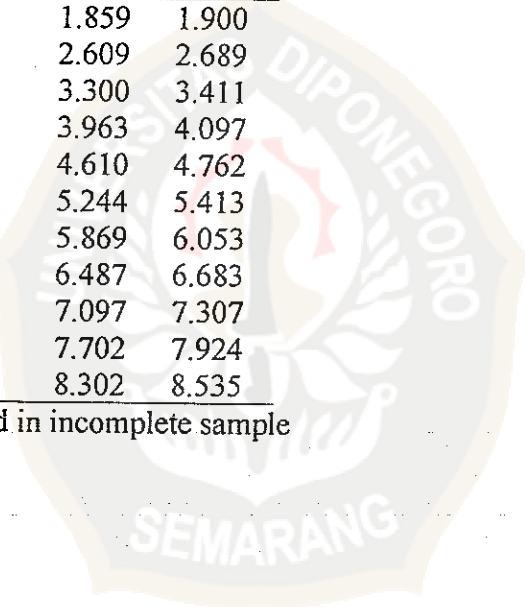


Table 2. Interval Between Failures of Air Conditioning Equipment on Jet Aircraft

7907	7908	7915	7916	8044
194	413	359	50	487
15	14	9	254	18
41	58	12	5	100
29	37	270	283	7
33	100	603	35	98
181	65	3	12	5
	9	104		85
	169	2		91
	447	438		43
	184			230
	36			3
	201			130
	118			
	*			
	34			
	31			
	18			
	18			
	67			
	57			
	62			
	7			
	22			
	34			

*Major Overhaul

Table 3

Plane	Sample Size k	Statistic V_k	Conclusion
7907	6	$V_6 = 2.243$	Exponential, i.e, V_6 not significant at the 10% level
7908	23	$V_{23} = 80829$ $Z = -1.1309$	Exponential, i.e, V_{23} not significant at the 10% level
7915	9	$V_9 = 2.80$	Decreasing failure rate, i.e, V_6 not significant at the 10% level
7916	6	$V_6 = 1.67$	Exponential, i.e, V_6 not significant at the 10% level
8044	12	$V_{12} = 4.22$	Exponential, i.e, V_{12} not significant at the 10% level

DAFTAR PUSTAKA

1. Barlow, R. E : "Statistical Inference Under Order Restriction", John Wiley & Sons, New York, 1972
2. Mood, A. M : "Introduction to The Theory of Statistics" Mc Graw-Hill, New York, 1974

