

LAMPIRAN

Lampiran A Tabel Percobaan

Tabel Percobaan dengan 40 user/30s tanpa Round Robin

Percobaan	Sampel	Error %	Min	Max	Average
1	40	0.00%	683	6109	1484
2	40	0.00%	658	6758	1250
3	40	0.00%	633	5697	1107
4	40	0.00%	670	7066	1749
5	40	0.00%	658	5653	1277
6	40	0.00%	640	4732	1257
7	40	0.00%	651	8794	1190
8	40	0.00%	657	5488	1071
9	40	0.00%	654	8812	1252
10	40	0.00%	640	5461	1070
Rata – rata		0.00%	654ms	6457ms	1270ms

Tabel Percobaan dengan 60 user/30s tanpa Round Robin

Percobaan	Sampel	Error %	Min	Max	Average
1	60	0.00%	717	6094	3173
2	60	0.00%	772	4571	1969
3	60	0.00%	683	3519	1595
4	60	0.00%	673	4875	1666
5	60	0.00%	699	3685	1962
6	60	0.00%	719	4867	1918
7	60	0.00%	674	3581	1824
8	60	0.00%	670	3416	1649
9	60	0.00%	657	4844	1880
10	60	0.00%	665	4908	1761
Rata-rata		0.00%	692ms	4436ms	1939ms

Tabel Percobaan dengan 80 user/30s tanpa Round Robin

Percobaan	Sampel	Error %	Min	Max	Average
1	80	0.00%	488	18972	12034
2	80	0.00%	627	11495	6204
3	80	0.00%	714	34411	18783
4	80	0.00%	890	20721	11275
5	80	0.00%	711	12872	6493
6	80	0.00%	946	11020	6344
7	80	5.00%	713	74433	44794
8	80	0.00%	997	15140	7424
9	80	0.00%	631	13113	6974
10	80	0.00%	643	10882	5756
Rata – rata		0.50%	736ms	22305ms	12608ms

Tabel Percobaan dengan 90 user/30s tanpa Round Robin

Percobaan	Sampel	Error %	Min	Max	Average
1	90	24.44%	126	16134	7598
2	90	14.44%	443	54897	24793
3	90	13.13%	126	40656	22115
4	90	12.22%	168	26525	14773
5	90	10.00%	46	26995	15623
6	90	4.44%	255	36331	20515
7	90	14.44%	227	24874	13043
8	90	3.33%	5	37098	20304
9	90	4.44%	299	37609	21199
10	90	8.89%	40	28417	16152
Rata – rata		10.98%	173ms	32953ms	17611ms

Tabe Percobaan dengan 100 user/30s tanpa Round Robin

Percobaan	Sampel	Error %	Min	Max	Average
1	100	16.00%	94	30422	15169
2	100	9.00%	94	33179	19685
3	100	11.00%	198	31465	18112
4	100	12.00%	14	37073	19596
5	100	19.00%	30	29180	13688
6	100	17.00%	122	31010	15700
7	100	20.00%	413	26438	13598
8	100	20.00%	463	22873	12507
9	100	12.00%	43	37629	22519
10	100	22.00%	196	23687	12489
Rata – rata		15.80%	188ms	33295ms	18306ms

Tabel Percobaan dengan 40 user/30s dengan Round Robin

Percobaan	Sampel	Error %	Min	Max	Average
1	40	0.00%	642	913	720
2	40	0.00%	642	834	706
3	40	0.00%	639	765	674
4	40	0.00%	629	727	678
5	40	0.00%	641	937	705
6	40	0.00%	645	1050	744
7	40	0.00%	639	769	679
8	40	0.00%	637	795	684
9	40	0.00%	646	756	674
10	40	0.00%	649	1164	736
Rata - rata		0.00%	641ms	871ms	700ms

Tabel Percobaan dengan 60 user/30s dengan Round Robin

Percobaan	Samples	Error %	Min	Max	Average
1	60	0.00%	909	2577	1309
2	60	0.00%	814	4154	1199
3	60	0.00%	767	2466	1450
4	60	0.00%	741	1997	1056
5	60	0.00%	740	1567	1026
6	60	0.00%	708	1288	985
7	60	0.00%	735	1355	920
8	60	0.00%	763	1290	978
9	60	0.00%	758	1560	1051
10	60	0.00%	814	1662	1078
Rata - rata		0.00%	775ms	1992ms	1105ms

Tabel Percobaan dengan 80 user/30s dengan Round Robin

Percobaan	Sampel	Error %	Min	Max	Average
1	80	0.00%	1045	20940	7403
2	80	0.00%	826	14782	5971
3	80	0.00%	647	18183	6499
4	80	0.00%	823	13349	5143
5	80	0.00%	841	12194	4953
6	80	0.00%	875	17380	6842
7	80	0.00%	1417	17118	6263
8	80	0.00%	940	16973	8175
9	80	0.00%	913	15993	6023
10	80	0.00%	1076	16578	6218
Rata - rata		0.00%	940ms	16349ms	6349ms

Tabel Percobaan dengan 90 user/30s dengan Round Robin

Percobaan	Sampel	Error %	Min	Max	Average
1	90	6.52%	333	35282	19660
2	90	6.67%	253	39747	18254
3	90	8.89%	43	30049	16013
4	90	12.22%	60	26154	12976
5	90	7.78%	420	33132	17092
6	90	14.44%	163	29516	13421
7	90	6.67%	394	33721	16450
8	90	0.00%	1259	40880	23341
9	90	7.78%	197	33803	15721
10	90	5.56%	87	38294	19351
Rata - rata		7.65%	320ms	34057ms	17227ms

Tabel Percobaan dengan 100 user/30s dengan *Round Robin*

Percobaan	Sampel	Error %	Min	Max	Average
1	100	7.00%	29	43229	17932
2	100	6.00%	138	32249	12899
3	100	6.00%	147	42922	19820
4	100	8.00%	187	38939	22930
5	100	6.00%	255	32292	22033
6	100	4.00%	141	36029	18239
7	100	10.00%	108	35392	20922
8	100	3.00%	50	32313	16606
9	100	12.00%	24	33243	18399
10	100	6.00%	269	38299	14580
Rata - rata		6.80%	134ms	36490ms	18436ms

Tabel Percobaan dengan 40 user/30s dengan *Indexes* tanpa *Round Robin*

Percobaan	Sampel	Error %	Min	Max	Average
1	40	0.00%	645	3080	1126
2	40	0.00%	633	3217	1130
3	40	0.00%	646	8928	1302
4	40	0.00%	644	5296	1234
5	40	0.00%	634	5719	1326
6	40	0.00%	650	5270	1161
7	40	0.00%	637	5179	1169
8	40	0.00%	649	5528	1118
9	40	0.00%	637	5364	1204
10	40	0.00%	632	5462	1002
Rata-rata		0.00%	640ms	5304ms	1177ms

Tabel Percobaan dengan 60 user/30s dengan *Indexes* tanpa *Round Robin*

Percobaan	Sampel	Error %	Min	Max	Average
1	60	0.00%	711	4977	1924
2	60	0.00%	696	5234	2208
3	60	0.00%	676	4687	1791
4	60	0.00%	656	4315	2004
5	60	0.00%	634	4923	1524
6	60	0.00%	627	4784	1975
7	60	0.00%	642	4741	1680
8	60	0.00%	657	4861	1959
9	60	0.00%	665	3440	1517
10	60	0.00%	664	4838	1808
Rata-rata		0.00%	662ms	4680ms	1839ms

Tabel Percobaan dengan 80 user/30s dengan *Indexes* tanpa *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	80	0.00%	640	12047	5970
2	80	0.00%	676	13269	6501
3	80	0.00%	1625	11994	7174
4	80	0.00%	625	11832	6366
5	80	0.00%	647	11661	7113
6	80	0.00%	606	9478	5482
7	80	0.00%	707	8643	5062
8	80	0.00%	665	11008	5539
9	80	0.00%	614	10712	4963
10	80	0.00%	645	8683	5122
Rata-rata		0.00%	745ms	10932ms	5929ms

Tabel Percobaan dengan 90 user/30s dengan *Indexes* tanpa *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	90	16.67%	8	45601	23867
2	90	7.78%	209	25395	15101
3	90	11.11%	462	24177	14731
4	90	12.22%	286	20896	10137
5	90	12.22%	160	17292	8721
6	90	12.22%	20	15596	8056
7	90	10.00%	126	16942	8536
8	90	11.11%	137	17042	8504
9	90	6.67%	324	20303	11387
10	90	11.11%	138	16956	9405
Rata-rata		11.11%	187ms	22020ms	11844ms

Tabel Percobaan dengan 100 user/30s dengan *Indexes* tanpa *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	100	12.00%	255	36676	15483
2	100	11.00%	64	44156	18262
3	100	10.00%	518	35061	14575
4	100	14.00%	390	35589	16848
5	100	7.00%	350	34080	15410
6	100	11.00%	160	37484	16352
7	100	7.00%	252	37909	16565
8	100	13.00%	110	34506	15370
9	100	5.05%	17	32403	13856
10	100	6.00%	44	33472	13554
Rata-rata		9.61%	216ms	36133ms	15627ms

Tabel Percobaan dengan 40 user/30s dengan *Indexes* dengan *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	40	0.00%	643	740	681
2	40	0.00%	640	919	697
3	40	0.00%	637	764	669
4	40	0.00%	648	793	683
5	40	0.00%	648	758	677
6	40	0.00%	644	944	700
7	40	0.00%	632	853	683
8	40	0.00%	645	748	680
9	40	0.00%	644	716	670
10	40	0.00%	628	760	679
Rata - rata		0.00%	640ms	799ms	681ms

Tabel Percobaan dengan 60 user/30s dengan *Indexes* dengan *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	60	0.00%	752	1482	1038
2	60	0.00%	760	1753	1002
3	60	0.00%	770	1556	992
4	60	0.00%	764	1095	915
5	60	0.00%	764	1437	1036
6	60	0.00%	773	1820	1079
7	60	0.00%	766	1456	1005
8	60	0.00%	805	1642	1056
9	60	0.00%	787	1984	1302
10	60	0.00%	808	1193	938
Rata - rata		0.00%	774ms	1541ms	1036ms

Tabel Percobaan dengan 80 user/30s dengan *Indexes* dengan *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	80	0.00%	884	8866	4977
2	80	0.00%	784	12865	5621
3	80	0.00%	803	10324	4939
4	80	0.00%	841	13539	5867
5	80	0.00%	853	9568	5123
6	80	0.00%	720	11815	5633
7	80	0.00%	874	13988	6139
8	80	0.00%	767	14408	5325
9	80	0.00%	814	14841	5076
10	80	0.00%	779	12107	5892
Rata - rata		0.00%	811ms	12232ms	5459ms

Tabel Percobaan dengan 90 user/30s dengan *Indexes* dengan *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	90	4.44%	307	32813	12912
2	90	6.67%	255	26685	11316
3	90	4.44%	232	31639	12339
4	90	5.56%	171	27905	10653
5	90	6.67%	131	27817	10938
6	90	4.44%	311	30197	12658
7	90	4.44%	235	28335	12002
8	90	3.33%	100	30409	12602
9	90	6.67%	228	28419	11085
10	90	4.44%	212	33756	13010
Rata - rata		5.11%	218ms	29797ms	11951ms

Tabel Percobaan dengan 100 user/30s dengan *Indexes* dengan *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	100	7.00%	68	21375	11946
2	100	4.21%	60	25761	12966
3	100	6.00%	196	23488	11952
4	100	5.00%	277	21574	9452
5	100	7.00%	291	27990	15202
6	100	5.00%	242	23701	14044
7	100	5.00%	58	26043	15893
8	100	6.00%	226	26675	12854
9	100	7.00%	221	34622	18405
10	100	8.00%	150	28747	16511
Rata - rata		6.02%	178ms	25977ms	13922ms

Tabel Percobaan dengan 40 user/30s tanpa *Indexes* tanpa *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	40	0.00%	629	6777	1609
2	40	0.00%	621	6760	1165
3	40	0.00%	639	8827	1244
4	40	0.00%	646	5475	1045
5	40	0.00%	642	5456	1062
6	40	0.00%	640	6726	1328
7	40	0.00%	639	5459	1155
8	40	0.00%	636	6756	1283
9	40	0.00%	647	5275	1152
10	40	0.00%	641	6750	1174
Rata - rata		0.00%	638ms	6426ms	1221ms

Tabel Percobaan dengan 60 user/30s tanpa Indexes tanpa Round Robin

Percobaan	Samples	Error %	Min	Max	Average
1	60	0.00%	642	6151	1671
2	60	0.00%	653	6778	1656
3	60	0.00%	660	3291	1718
4	60	0.00%	659	3501	1671
5	60	0.00%	661	5015	2190
6	60	0.00%	638	4310	1734
7	60	0.00%	681	4958	1590
8	60	0.00%	653	6910	1665
9	60	0.00%	652	3304	1606
10	60	0.00%	640	4770	1675
Rata - rata		0.00%	653ms	4898ms	1717ms

Tabel Percobaan dengan 80 user/30s tanpa Indexes tanpa Round Robin

Percobaan	Samples	Error %	Min	Max	Average
1	80	0.00%	806	28030	17519
2	80	0.00%	767	23601	13195
3	80	0.00%	950	51135	29098
4	80	0.00%	937	33119	17622
5	80	0.00%	620	11274	5866
6	80	0.00%	605	17636	8675
7	80	0.00%	643	11886	6066
8	80	0.00%	689	15983	7677
9	80	0.00%	629	11015	6551
10	80	0.00%	640	11813	5635
Rata - rata		0.00%	728ms	21549ms	11790ms

Tabel Percobaan dengan 90 user/30s tanpa Indexes tanpa Round Robin

Percobaan	Samples	Error %	Min	Max	Average
1	90	16.67%	122	26430	11673
2	90	10.00%	24	32458	16591
3	90	9.20%	457	30107	17435
4	90	75.56%	35	182145	95231
5	90	12.22%	497	32284	18919
6	90	14.44%	125	43185	20915
7	90	8.89%	58	25599	14633
8	90	11.11%	377	22225	12242
9	90	11.11%	53	23083	13080
10	90	13.33%	484	22477	12098
Rata - rata		18.25%	223ms	43999ms	23281ms

Tabel Percobaan dengan 100 user/30s tanpa *Indexes* tanpa *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	100	9.00%	286	60447	28027
2	100	12.00%	12	43689	23624
3	100	13.75%	70	57338	25379
4	100	15.00%	182	33473	17568
5	100	11.00%	349	33037	18768
6	100	15.00%	89	38534	19372
7	100	52.00%	185	126148	37185
8	100	57.00%	440	93249	52690
9	100	11.00%	299	32305	18780
10	100	15.00%	291	27722	14737
Rata - rata		21.08%	220ms	54594ms	25613ms

Tabel Percobaan dengan 40 user/30s tanpa *Indexes* dengan *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	40	0.00%	783	1417	1041
2	40	0.00%	634	844	694
3	40	0.00%	644	1532	853
4	40	0.00%	639	808	677
5	40	0.00%	651	899	706
6	40	0.00%	646	921	693
7	40	0.00%	659	996	714
8	40	0.00%	651	991	715
9	40	0.00%	648	745	679
10	40	0.00%	644	1635	765
Rata - rata		0.00%	659ms	1078ms	753ms

Tabel Percobaan dengan 60 user/30s tanpa *Indexes* dengan *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	60	0.00%	811	4507	1677
2	60	0.00%	829	1525	1009
3	60	0.00%	829	2684	1288
4	60	0.00%	803	1769	1031
5	60	0.00%	760	3404	1396
6	60	0.00%	750	8532	2851
7	60	0.00%	798	1492	1019
8	60	0.00%	840	4112	1876
9	60	0.00%	811	2090	1175
10	60	0.00%	802	2026	1124
Rata - rata		0.00%	803ms	3214ms	1444ms

Tabel Percobaan dengan 80 user/30s tanpa *Indexes* dengan *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	80	0.00%	1037	16635	7697
2	80	0.00%	1037	16635	7697
3	80	0.00%	859	32352	14002
4	80	0.00%	1636	20406	9465
5	80	0.00%	1448	28861	8322
6	80	0.00%	932	15933	5652
7	80	0.00%	886	18526	6981
8	80	0.00%	1742	20553	9942
9	80	0.00%	753	26461	6674
10	80	0.00%	783	25339	7429
Rata - rata		0.00%	1111ms	22170ms	8386ms

Tabel Percobaan dengan 90 user/30s tanpa *Indexes* dengan *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	90	11.11%	403	25564	10557
2	90	5.56%	360	28561	12627
3	90	10.00%	241	25763	9866
4	90	8.89%	282	28350	11049
5	90	10.00%	360	28752	11064
6	90	8.89%	314	29734	11104
7	90	6.67%	183	29033	11696
8	90	8.89%	220	30036	10287
9	90	8.89%	73	29446	12139
10	90	8.89%	343	32044	11262
Rata - rata		8.79%	277ms	28728ms	11165ms

Tabel Percobaan dengan 100 user/30s tanpa *Indexes* dengan *Round Robin*

Percobaan	Samples	Error %	Min	Max	Average
1	100	11.00%	106	37852	13905
2	100	8.00%	304	36039	14155
3	100	8.00%	268	36664	15894
4	100	7.00%	16	37021	15114
5	100	10.00%	160	34269	13986
6	100	9.00%	320	33101	13748
7	100	7.00%	302	38280	16951
8	100	9.00%	80	41307	18082
9	100	10.00%	169	35734	16545
10	100	6.00%	334	39234	17515
Rata - rata		8.50%	205ms	36950ms	15589ms