

## LAMPIRAN

## Peramalan Pemasok

Tahun	Periode	Demand	tA	t^2	Indeks Musim	Nilai Trend Berdasarkan model	Nilai Ramalan setelah dikoreksi, F*	Error	RSFE	Absolut error	Kumulatif Absolut error	MAD	TS	FE^2	MSE	PE	APE	MAP E
	(t)	A																
2013	1	70	69.942	1	0.6357 16	64.74702	41.1607 1	29	29	28.781 29	28.7812 9	28.78129 257	1	828.36	828.362 8	0.41 2	0.41 2	0.41
	2	76	152.32 2	4	0.6523 72	70.072518 26	45.7133 4	30	59	30.447 66	59.2289 5	29.61447 5	2	927.06	463.529 9	0.40 0	0.40 0	0.20
	3	80	239.97 6	9	0.6883 39	75.398016 52	51.8993 9	28	87	28.092 61	87.3215 6	29.10718 544	3	789.19	263.064 8	0.35 1	0.35 1	0.12
	4	87	349.51 2	16	0.8147 89	80.723514 78	65.7726 5	22	109	21.605 35	108.926 9	27.23172 627	4	466.79	116.697 8	0.24 7	0.24 7	0.06
	5	101	506.28	25	0.9126 9	86.049013 04	78.5360 5	23	132	22.719 95	131.646 9	26.32937 191	5	516.20	103.239 3	0.22 4	0.22 4	0.04
	6	115	691.99 2	36	1.0761 67	91.374511 3	98.3342 17	17	149	16.997 8	148.644 7	24.77411 028	6	288.93	48.1542 1	0.14 7	0.14 7	0.02
	7	98	687.16 2	49	1.0061 25	96.700009 57	97.2923 4	1	150	0.8736 57	149.518 3	21.35975 982	7	0.76	0.10904	0.00 9	0.00 9	0.00
	8	114	913.17 6	64	1.4879 37	102.02550 78	151.807 5	-38	112	37.660 48	187.178 8	23.39735 032	4.78079 1	1418.3 1	177.289	0.33 0	0.33 0	0.04
	9	111	1000.8 63	81	1.0621 77	107.35100 61	114.025 8	-3	109	2.8188 16	189.997 6	21.11084 648	5.16507 1	7.95	0.88285 8	0.02 5	0.02 5	0.00
	10	136	1362.0 3	100	1.5232 49	112.67650 43	171.634 4	-35	74	35.431 35	225.429	22.54289 709	3.26522 7	1255.3 8	125.538 1	0.26 0	0.26 0	0.03

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	(t)	A																
	11	101	1112.595	121	1.255573	118.0020026	148.1602	-47	27	47.01517	272.4441	24.76764913	1.073679	2210.43	200.9478	0.465	0.465	0.04
	12	88	1057.176	144	0.884866	123.3275009	109.1283	-21	6	21.03032	293.4745	24.45620533	0.227434	442.27	36.85621	0.239	0.239	0.02
2014	13	90	1173.198	169	0.635716	128.6529991	81.78675	8	14	8.459248	301.9337	23.22567016	0.603704	71.56	5.504529	0.094	0.094	0.01
	14	88	1235.136	196	0.652372	133.9784974	87.40381	1	15	0.820192	302.7539	21.62527885	0.686309	0.67	0.048051	0.009	0.009	0.00
	15	93	1401.84	225	0.688339	139.3039957	95.88837	-2	12	2.43237	305.1863	20.3457516	0.609918	5.92	0.394428	0.026	0.026	0.00
	16	118	1886.928	256	0.814789	144.6294939	117.8426	0	12	0.090445	305.2767	19.07979492	0.655127	0.01	0.000511	0.001	0.001	0.00
	17	129	2188.308	289	0.91269	149.9549922	136.8624	-8	4	8.138373	313.4151	18.43618184	0.236563	66.23	3.896065	0.063	0.063	0.00
	18	156	2805.138	324	1.076167	155.2804904	167.1077	-11	-7	11.26668	324.6818	18.03787611	-0.38283	126.94	7.052114	0.072	0.072	0.00
	19	155	2951.802	361	1.006125	160.6059887	161.5898	-6	-13	6.231777	330.9135	17.41650245	-0.75429	38.84	2.043949	0.040	0.040	0.00
	20	261	5215.68	400	1.487937	165.931487	246.8955	14	1	13.88847	344.802	17.24010098	0.043581	192.89	9.644484	0.053	0.053	0.00
	21	156	3285.261	441	1.062177	171.2569852	181.9053	-25	-25	25.4643	370.2663	17.63172972	-1.40162	648.43	30.87766	0.163	0.163	0.01
	22	248	5447.772	484	1.523249	176.5824835	268.9791	-21	-46	21.35306	391.6194	17.8008811	-2.58785	455.95	20.72514	0.086	0.086	0.00
	23	215	4950.405	529	1.255573	181.9079817	228.3988	-13	-59	13.16381	404.7832	17.59926947	-3.36547	173.29	7.534173	0.061	0.061	0.00



## Peramalan Pembeli

Tahun	Periode	Demand	tA	t^2	Indeks Musim	Nilai Trend Berdasarkan model	Nilai Ramalan setelah dikoreksi, F*	Error	RSFE	Absolut error	Kumulatif Absolut error	MAD	TS	FE^2	MSE	PE	APE	MAPE	
	(t)	A																	
2013	1	70	70	1	0.932039	64.9	60.48932	9.510679612	9.51068	9.51068	9.51068	9.510679612	1	90.45	90.45303	0.136	0.136	0.136	0.136
	2	50	100	4	0.776699	64.85434783	50.37231	0.37230899	9.138371	0.372309	9.882989	4.941494301	1.849313	0.14	0.069307	0.007	0.007	0.004	0.004
	3	50	150	9	0.815534	64.80869565	52.85369	2.85369354	6.284677	2.853694	12.73668	4.245560715	1.480294	8.14	2.714522	0.057	0.057	0.019	0.019
	4	70	280	16	0.932039	64.76304348	60.36167	9.638328409	15.92301	9.638328	22.37501	5.593752638	2.846569	92.90	23.22434	0.138	0.138	0.034	0.034
	5	75	375	25	1.048544	64.7173913	67.85901	7.140987759	23.06399	7.140988	29.516	5.903199662	3.907033	50.99	10.19874	0.095	0.095	0.019	0.019
	6	80	480	36	1.242718	64.67173913	80.36876	0.36876319	22.69523	0.368763	29.88476	4.980793584	4.556549	0.14	0.022664	0.005	0.005	0.001	0.001
	7	80	560	49	1.242718	64.62608696	80.31203	0.31203039	22.3832	0.312033	30.19679	4.313827414	5.18871	0.10	0.013909	0.004	0.004	0.001	0.001
	8	75	600	64	1.165049	64.58043478	75.23934	0.23934149	22.14386	0.239341	30.43613	3.804516674	5.820413	0.06	0.007161	0.003	0.003	0.000	0.000
	9	60	540	81	0.932039	64.53478261	60.14892	0.1489236	21.99493	0.148924	30.58506	3.398339665	6.472259	0.02	0.002464	0.002	0.002	0.000	0.000
	10	50	500	100	0.776699	64.48913043	50.08864	-0.088645	21.90629	0.088645	30.6737	3.067370198	7.141717	0.01	0.000786	0.002	0.002	0.000	0.000
	11	65	715	121	1.009709	64.44347826	65.06914	0.0691431	21.83715	0.069143	30.74285	2.794804098	7.81348	0.00	0.000435	0.001	0.001	0.000	0.000
	12	75	900	144	1.126214	64.39782609	72.52571	2.474292951	24.31144	2.474293	33.21714	2.768094836	8.782734	6.12	0.510177	0.033	0.033	0.003	0.003
2014	13	50	650	169	0.932039	64.35217391	59.97873	9.9787252	14.33271	9.978725	43.19586	3.32275871	4.313498	99.57	7.659612	0.200	0.200	0.015	0.015
	14	50	700	196	0.776699	64.30652174	49.94681	0.053186999	14.3859	0.053187	43.24905	3.089217874	4.65681	0.00	0.000202	0.001	0.001	0.000	0.000



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	(t)	A																	
	43				1.242718	62.9826087	78.26965												
	44				1.165049	62.93695652	73.32461												
	45				0.932039	62.89130435	58.61714												
	46				0.776699	62.84565217	48.81216												
	47				1.009709	62.8	63.40971												
	48				1.126214	62.75434783	70.6748												

Perhitungan Independen

n	atas	s.vendor	bawah	q1	F(k)	1-F(k)	k/alpha	f(k)	atas			bawah	q2	wk
	n=1	2688336	0	291	96	0.9956	0.004	2.62	0.01293	2902260.056	291	4.02	295.02	
n=2	2304288	0	360	80	0.9963	0.004	2.68	0.01097	2478548.221	360	4.08	364.08	83	0.001
n=3	2176272	0	429	71	0.9967	0.003	2.72	0.00988	2329403.151	429	4.12	433.12	73	0.001
n=4	2112264	0	498	65	0.9970	0.003	2.75	0.00912	2250937.702	498	4.15	502.15	67	0.001
n=5	2073859.2	0	567	60	0.9972	0.003	2.77	0.00853	2201634.367	567	4.17	571.17	62	0.001
n=6	2048256	0	636	57	0.9974	0.003	2.79	0.00805	2167370.292	636	4.19	640.19	58	0.001
n=7	2029968	0	705	54	0.9975	0.002	2.81	0.00765	2141960.703	705	4.21	709.21	55	0.001
n=8	2016252	0	774	51	0.9977	0.002	2.83	0.00732	2122244.494	774	4.22	778.22	52	0.001
n=9	2005584	0	843	49	0.9978	0.002	2.84	0.00702	2106426.827	843	4.24	847.24	50	0.001
n=10	1997049.6	0	912	47	0.9979	0.002	2.86	0.00676	2093407.675	912	4.25	916.25	48	0.001

q3			k/alpha						q4				k/alpha					
	F(k)				atas			bawah			F(k)				atas			bawah
99	0.9954	0.0046	2.61	0.0133	2909939.24	291	4.01	295.01	99	0.001	0.9954	0.0046	2.61	0.0133	2900928.77	291	4.14	551.64
83	0.9962	0.0038	2.67	0.0113	2484636.86	360	4.07	364.07	83	0.001	0.9962	0.0038	2.67	0.0113	2478256.87	360	4.18	655.18
73	0.9966	0.0034	2.71	0.0101	2334452.01	429	4.11	433.11	73	0.001	0.9966	0.0034	2.71	0.0101	2329432.35	429	4.21	758.71
67	0.9969	0.0031	2.74	0.0093	2255247.07	498	4.14	502.14	67	0.001	0.9969	0.0031	2.74	0.0093	2251106.40	498	4.23	862.23
62	0.9972	0.0028	2.76	0.0087	2205390.11	567	4.16	571.16	62	0.001	0.9971	0.0029	2.76	0.0087	2201871.30	567	4.25	965.75
58	0.9973	0.0027	2.79	0.0082	2170696.01	636	4.18	640.18	58	0.001	0.9973	0.0027	2.79	0.0082	2167641.57	636	4.26	1069.26
55	0.9975	0.0025	2.80	0.0078	2144942.88	705	4.20	709.20	55	0.001	0.9975	0.0025	2.80	0.0078	2142248.46	705	4.28	1172.78
52	0.9976	0.0024	2.82	0.0075	2124946.00	774	4.22	778.22	52	0.001	0.9976	0.0024	2.82	0.0075	2122538.71	774	4.29	1276.29
50	0.9977	0.0023	2.84	0.0072	2108894.83	843	4.23	847.23	50	0.001	0.9977	0.0023	2.84	0.0072	2106721.67	843	4.30	1379.80
48	0.9978	0.0022	2.85	0.0069	2095678.42	912	4.24	916.24	48	0.001	0.9978	0.0022	2.85	0.0069	2093699.69	912	4.31	1483.31

q5				k/alpha							q6	
		F(k)				atas			bawah			
73	0.001	0.9967	0.003	2.71	0.013295656	3330598.79	291	4.22	551.72	78	0.004	
62	0.001	0.9972	0.003	2.77	0.011276828	2826101.76	360	4.26	655.26	66	0.003	
55	0.001	0.9975	0.003	2.80	0.010144762	2631194.57	429	4.28	758.78	59	0.003	
51	0.001	0.9977	0.002	2.83	0.009346659	2521328.41	498	4.30	862.30	54	0.003	
48	0.001	0.9978	0.002	2.85	0.008732065	2448643.07	567	4.31	965.81	50	0.002	
45	0.001	0.9979	0.002	2.87	0.008235435	2396096.00	636	4.33	1069.33	47	0.002	
43	0.001	0.9980	0.002	2.88	0.007821397	2355898.96	705	4.34	1172.84	45	0.002	
41	0.001	0.9981	0.002	2.90	0.007468414	2323916.68	774	4.35	1276.35	43	0.002	
39	0.001	0.9982	0.002	2.91	0.007162325	2297721.33	843	4.36	1379.86	41	0.002	
38	0.001	0.9983	0.002	2.92	0.006893299	2275780.86	912	4.36	1483.36	39	0.002	

F(k)		k	q	n	W(k)	OP	Osb	OK	OLF	TC gab
0.9980		<b>2.71</b>	73	1	0.004266513	18535.84	17643.14	4533.29	5484	<b>46195.96</b>
		<b>2.77</b>	62	2	0.003466378	18733.32	16577.81	4327.64	10305	49943.90
		<b>2.80</b>	55	3	0.003022024	19637.94	16001.59	4179.61	14920	54739.55
		<b>2.83</b>	51	4	0.002717391	20669.60	15600.65	4069.98	19395	59735.64
		<b>2.85</b>	48	5	0.002489667	21716.28	15294.34	3986.01	23768	64764.86
		<b>2.87</b>	45	6	0.002310681	22745.89	15048.54	3919.85	28063	69777.77
		<b>2.88</b>	43	7	0.00216514	23748.27	14845.06	3866.53	32298	74757.87
		<b>2.90</b>	41	8	0.002043799	24720.73	14672.86	3822.73	36484	79700.19
		<b>2.91</b>	39	9	0.001940651	25663.45	14524.71	3786.18	40630	84604.26
		<b>2.92</b>	38	10	0.001851596	26577.70	14395.55	3755.29	44743	89471.45

