

## **LAMPIRAN 1**

Untuk menghitung *Pertumbuhan Laba* pada penelitian ini menggunakan data laporan keuangan dari perusahaan manufaktur sektor makanan dan minuman yang terdaftar di Bursa Efek Indonesia (BEI) yang telah dijadikan sampel pada penelitian ini. Berikut adalah tabel hasil perhitungan dari *Pertumbuhan Laba*..

### **HASIL PERHITUNGAN PERTUMBUHAN LABA**

No	Nama Perusahaan	2017	2018	2019
1	ADES	-0,316	0,384	0,583
2	CAMP	-0,176	0,426	0,239
3	ROTI	-0,516	-0,060	0,859
4	ULTJ	0,002	-0,023	0,476
5	AISA	-8,277	-0,976	-10,187
6	BUDI	0,182	0,104	0,268
7	BTEK	-0,528	-2,773	-0,103
8	CEKA	-0,569	-0,137	1,325
9	CLEO	0,277	0,260	1,066
10	HOKI	-0,094	0,880	0,149
11	IIKP	-0,528	0,158	-6,674
12	MLBI	0,346	-0,073	-0,015
13	MYOR	0,174	0,079	0,158
14	PCAR	-0,964	-21,607	0,223

15	STTP	0,240	0,180	0,891
16	ALTO	1,371	-0,474	-0,776
17	DLTA	0,099	0,208	-0,060
18	ICBP	-0,024	0,314	0,150
19	SKLT	0,112	0,391	0,406
20	INDF	-0,023	-0,026	0,189

## LAMPIRAN 2

Untuk menghitung *Profitabilitas (ROA)* pada penelitian ini menggunakan data laporan keuangan dari perusahaan manufaktur sektor makanan dan minuman yang terdaftar di Bursa Efek Indonesia (BEI) yang telah dijadikan sampel pada penelitian ini. Berikut adalah tabel hasil perhitungan dari *Profitabilitas (ROA)*.

### HASIL PERHITUNGAN PROFITABILITAS ( ROA)

No	Nama Perusahaan	2017	2018	2019
1	ADES	0,046	0,060	0,102
2	CAMP	0,036	0,062	0,073
3	ROTI	0,030	0,029	0,051
4	ULTJ	0,137	0,126	0,157
5	AISA	-2,641	-0,068	0,607
6	BUDI	0,016	0,015	0,021
7	BTEK	0,008	0,015	-0,017
8	CEKA	0,077	0,076	0,105
9	CLEO	0,076	0,076	0,105
10	HOKI	0,083	0,119	0,122
11	IKP	-0,041	-0,050	0,222

12	MLBI	0,527	0,424	0,416
13	MYOR	0,109	0,100	0,107
14	PCAR	0,003	-0,071	-0,082
15	STTP	0,092	0,097	0,255
16	ALTO	-0,057	-0,030	-0,007
17	DLTA	0,209	0,222	0,223
18	ICBP	0,112	0,136	0,138
19	SKLT	0,036	0,043	0,006
20	INDF	0,059	0,051	0,061

### LAMPIRAN 3

Untuk menghitung *Current Ratio* (CR) pada penelitian ini menggunakan data laporan keuangan dari perusahaan manufaktur sektor makanan dan minuman yang terdaftar di Bursa Efek Indonesia (BEI) yang telah dijadikan sampel pada penelitian ini. Berikut adalah tabel hasil perhitungan dari *Current Ratio* (CR).

#### HASIL PERHITUNGAN LIKUIDITAS (CR)

No	Nama Perusahaan	2017	2018	2019
1	ADES	1.202	1.388	2.004
2	CAMP	15.822	10.839	12.634
3	ROTI	2.259	3.571	1.693
4	ULTJ	4.192	4.398	4.444
5	AISA	0.212	0.152	0.411
6	BUDI	1.007	1.003	1.006
7	BTEK	1.008	2.154	1.753
8	CEKA	2.224	5.113	4.800
9	CLEO	1.234	1.640	1.175
10	HOKI	4.567	2.678	2.986
11	IIKP	0.819	0.950	5.411
12	MLBI	0.826	0.778	0.732
13	MYOR	2.386	2.655	3.429
14	PCAR	2.810	3.608	2.451

15	STTP	2.641	1.848	2.853
16	ALTO	1.075	0.763	0.884
17	DLTA	8.638	7.198	8.050
18	ICBP	2.428	1.952	2.536
19	SKLT	1.263	1.224	1.290
20	INDF	1.503	1.066	1.272

#### LAMPIRAN 4

Untuk menghitung *Leverage (DER)* pada penelitian ini menggunakan data laporan keuangan dari perusahaan manufaktur sektor makanan dan minuman yang terdaftar di Bursa Efek Indonesia (BEI) yang telah dijadikan sampel pada penelitian ini. Berikut adalah tabel hasil perhitungan dari *Leverage (DER)*.

#### HASIL PERHITUNGAN LEVERAGE ( DER)

No	Nama Perusahaan	2017	2018	2019
1	ADES	0,986	0,828	0,448
2	CAMP	0,445	0,134	0,130
3	ROTI	0,616	0,506	0,513
4	ULTJ	0,232	0,163	0,168
5	AISA	1,591	-1,526	(2,127)
6	BUDI	1,460	1,766	1,333
7	BTEK	1,669	1,284	1,322
8	CEKA	0,542	0,196	0,231
9	CLEO	1,218	0,309	0,624
10	HOKI	0,210	0,347	0,322
11	IKP	0,086	0,086	0,069
12	MLBI	1,357	1,474	1,527
13	MYOR	1,028	1,059	0,923
14	PCAR	0,468	0,327	0,480

15	STTP	0,691	0,598	0,341
16	ALTO	1,645	18,668	1,898
17	DLTA	0,171	0,186	0,175
18	ICBP	0,555	0,513	0,451
19	SKLT	0,104	1,202	1,079
20	INDF	8,807	9,441	0,774



## LAMPIRAN 5

Data-data laporan keuangan yang digunakan untuk menghitung rumus-rumus pada penelitian ini didapat dari laporan keuangan perusahaan yang diterbitkan oleh Bursa Efek Indonesia (BEI)

### 1. LABA BERSIH

No.	Nama Perusahaan	2017	2018	2019
1.	ADES	38,242,000,000	52,958,000,000	83,885,000,000
2.	AISA	-5,234,288,000,000	-123,513,000,000	1,134,776,000,000
3.	ALTO	-62,849,581,665	-33,021,220,862	-7,383,289,239
4.	BTEK	-42,843,793,031	76,001,730,866	-83,843,800,594
5.	BUDI	45,691,000,000	50,467,000,000	64,021,000,000
6.	CAMP	43,421,734,614	61,947,295,689	76,758,829,457
7.	CEKA	107,420,886,839	92,649,656,775	215,459,200,242
8.	CLEO	50,173,730,829	63,261,752,474	130,756,461,708
9.	DLTA	279,772,635,000	338,129,985,000	317,815,177,000
10.	HOKI	47,964,112,940	90,195,136,265	103,723,133,972
11.	ICBP	3,543,173,000,000	4,658,781,000,000	5,360,029,000,000
12.	IIKP	-13,010,375,867	-15,074,081,977	85,544,158,341
13.	INDF	5,145,063,000,000	4,961,851,000,000	5,902,729,000,000
14.	MLBI	1,322,067,000,000	1,224,807,000,000	1,206,059,000,000
15.	MYOR	1,630,953,830,893	1,760,434,280,304	2,039,404,206,764

16.	PCAR	370,909,777	-8,385,167,515	-10,257,599,104
17.	ROTI	135,364,021,139	127,171,436,363	236,518,557,420
18.	SKLT	22,970,715,348	31,954,131,252	44,943,627,900
19.	STTP	216,024,079,834	255,088,886,019	482,590,522,840
20.	ULTJ	711,681,000,000	701,607,000,000	1,035,865,000,000

## 2. TOTAL AKTIVA

No.	Nama Perusahaan	2017	2018	2019
1.	ADES	840,236,000,000	881,275,000,000	822,375,000,000
2.	AISA	1,981,940,000,000	1,816,406,000,000	1,868,966,000,000
3.	ALTO	1,109,383,971,111	1,109,843,522,344	1,103,450,087,164
4.	BTEK	5,306,055,112,389	5,165,236,468,706	4,975,248,130,342
5.	BUDI	2,939,456,000,000	3,392,980,000,000	2,999,767,000,000
6.	CAMP	1,211,184,522,659	1,004,275,813,783	1,057,529,235,985
7.	CEKA	1,392,636,444,501	1,168,956,042,706	1,393,079,542,074
8.	CLEO	660,917,775,322	833,933,861,594	1,245,144,303,719
9.	DLTA	1,340,842,765,000	1,523,517,170,000	1,425,983,722,000
10.	HOKI	576,963,542,579	758,864,556,031	848,676,035,300
11.	ICBP	31,619,514,000,000	34,367,153,000,000	38,709,314,000,000
12.	IIKP	313,924,526,593	298,090,648,072	384,481,206,140
13.	INDF	87,939,488,000,000	96,537,796,000,000	96,198,559,000,000

14.	MLBI	2,510,078,000,000	2,889,501,000,000	2,896,950,000,000
15.	MYOR	14,915,849,800,251	17,591,706,426,634	19,037,918,806,473
16.	PCAR	140,807,574,026	117,423,511,774	124,735,506,555
17.	ROTI	4,559,573,709,411	4,393,810,380,883	4,682,083,844,951
18.	SKLT	636,284,210,210	747,293,725,435	790,845,543,826
19.	STTP	2,342,432,443,196	2,631,189,810,030	2,881,563,083,954
20.	ULTJ	5,186,940,000,000	5,555,871,000,000	6,608,422,000,000

### 3. ASSET LANCAR

No.	Nama Perusahaan	2017	2018	2019
1.	ADES	294,244,000,000	364,138,000,000	351,120,000,000
2.	AISA	881,092,000,000	788,973,000,000	474,261,000,000
3.	ALTO	192,943,940,639	188,531,394,038	176,818,868,579
4.	BTEK	1,105,184,126,790	1,041,085,332,081	914,969,847,759
5.	BUDI	1,027,489,000,000	1,472,140,000,000	1,141,009,000,000
6.	CAMP	864,515,740,386	664,681,699,769	723,916,345,285
7.	CEKA	988,479,957,549	809,166,450,672	1,067,652,078,121
8.	CLEO	144,179,181,317	198,544,322,066	240,755,729,131
9.	DLTA	1,206,576,189,000	1,384,227,944,000	1,292,805,083,000
10.	HOKI	402,492,112,857	490,747,589,782	483,422,211,591
11.	ICBP	16,579,331,000,000	14,121,568,000,000	16,624,925,000,000
12.	IIKP	18,602,111,558	21,055,644,654	123,860,216,383

13.	INDF	32,515,399,000,000	33,272,618,000,000	31,403,445,000,000
14.	MLBI	1,076,845,000,000	1,228,961,000,000	1,162,802,000,000
15.	MYOR	10,674,199,571,313	12,647,858,727,872	12,776,102,781,513
16.	PCAR	102,516,143,530	86,383,519,237	81,197,082,570
17.	ROTI	2,319,937,439,019	1,876,409,299,238	1,874,411,044,438
18.	SKLT	267,129,479,669	356,735,670,030	378,352,247,338
19.	STTP	947,986,050,367	1,250,806,822,918	1,165,406,301,686
20.	ULTJ	3,439,990,000,000	2,793,521,000,000	3,716,641,000,000

#### 4. HUTANG LANCAR

No.	Nama Perusahaan	2017	2018	2019
1.	ADES	244,888,000,000	262,397,000,000	175,191,000,000
2.	AISA	4,154,427,000,000	5,177,830,000,000	1,152,923,000,000
3.	ALTO	179,485,187,884	246,962,435,572	200,070,083,238
4.	BTEK	1,096,688,884,572	483,324,264,340	521,992,920,131
5.	BUDI	1,019,986,000,000	1,467,508,000,000	1,133,685,000,000
6.	CAMP	54,639,027,443	61,322,975,128	57,300,411,135
7.	CEKA	444,383,077,820	158,255,592,250	222,440,530,626
8.	CLEO	116,843,320,205	121,061,155,519	204,953,165,337
9.	DLTA	139,684,908,000	192,299,843,000	160,587,363,000
10.	HOKI	88,130,681,014	183,224,424,681	161,901,915,986
11.	ICBP	6,827,588,000,000	7,235,398,000,000	6,556,359,000,000

12.	IHKP	22,704,492,271	22,158,317,850	22,889,516,184
13.	INDF	21,637,763,000,000	31,204,102,000,000	24,686,862,000,000
14.	MLBI	1,304,114,000,000	1,578,919,000,000	1,588,693,000,000
15.	MYOR	4,473,628,322,956	4,764,510,387,113	3,726,359,539,201
16.	PCAR	36,483,673,038	23,943,318,332	33,133,870,056
17.	ROTI	1,027,176,531,240	525,422,150,049	1,106,938,318,565
18.	SKLT	211,493,160,519	291,349,105,535	293,281,364,781
19.	STTP	358,963,437,494	676,673,564,908	408,490,550,651
20.	ULTJ	820,625,000,000	635,161,000,000	836,314,000,000

#### 5. TOTAL HUTANG

No.	Nama Perusahaan	2017	2018	2019
1.	ADES	417,225,000,000	399,361,000,000	254,438,000,000
2.	AISA	5,329,841,000,000	5,267,348,000,000	3,526,819,000,000
3.	ALTO	690,099,182,411	722,716,844,799	722,719,563,550
4.	BTEK	3,318,435,703,361	2,904,707,799,328	2,832,632,209,365
5.	BUDI	1,744,756,000,000	2,166,496,000,000	1,714,449,000,000
6.	CAMP	373,272,941,443	118,853,215,128	122,136,752,135
7.	CEKA	489,592,257,434	192,308,466,864	261,784,845,240
8.	CLEO	362,948,247,159	198,455,391,702	478,844,867,693
9.	DLTA	196,197,372,000	239,353,356,000	212,420,390,000
10.	HOKI	100,983,030,820	195,678,977,792	207,108,590,481

11.	ICBP	11,295,184,000,000	11,660,003,000,000	12,038,210,000,000
12.	IIKP	25,036,566,757	23,746,905,995	25,039,869,959
13.	INDF	41,182,764,000,000	46,620,996,000,000	41,996,071,000,000
14.	MLBI	1,445,173,000,000	1,721,965,000,000	1,750,943,000,000
15.	MYOR	7,561,503,434,179	9,049,161,944,940	9,137,978,611,155
16.	PCAR	44,941,281,197	28,973,210,457	40,503,414,153
17.	ROTI	1,739,467,993,982	1,476,909,260,772	1,589,486,456,854
18.	SKLT	328,714,435,982	408,057,718,435	410,463,595,860
19.	STTP	957,660,374,836	984,801,863,078	733,556,075,974
20.	ULTJ	978,185,000,000	780,915,000,000	953,283,000,000

#### 6. EKUITAS

No.	Nama Perusahaan	2017	2018	2019
1.	ADES	423,011,000,000	481,914,000,000	567,937,000,000
2.	AISA	-3,347,901,000,000	-3,450,942,000,000	-1,657,853,000,000
3.	ALTO	419,284,788,700	387,126,677,545	380,730,523,614
4.	BTEK	1,987,619,409,028	2,260,528,669,378	2,142,615,920,977
5.	BUDI	1,194,700,000,000	1,226,484,000,000	1,285,318,000,000
6.	CAMP	837,911,581,216	885,422,598,655	935,392,483,850
7.	CEKA	903,044,187,067	976,647,575,842	1,131,294,696,834
8.	CLEO	297,969,528,163	635,478,469,892	766,299,436,026
9.	DLTA	1,144,645,393,000	1,284,163,814,000	1,213,563,332,000

10.	HOKI	475,980,511,759	563,167,578,239	641,567,444,819
11.	ICBP	20,324,330,000,000	22,707,150,000,000	26,671,104,000,000
12.	IIKP	288,887,959,836	274,343,742,077	359,441,336,181
13.	INDF	46,756,724,000,000	49,916,800,000,000	54,202,488,000,000
14.	MLBI	1,064,905,000,000	1,167,536,000,000	1,146,007,000,000
15.	MYOR	7,354,346,366,072	8,542,544,481,694	9,899,940,195,318
16.	PCAR	95,866,292,829	88,450,301,317	84,232,092,402
17.	ROTI	2,820,105,715,429	2,916,901,120,111	3,092,597,379,097
18.	SKLT	307,569,774,228	339,236,007,000	380,381,947,966
19.	STTP	1,384,772,068,360	1,646,387,946,952	2,148,007,007,980
20.	ULTJ	4,208,755,000,000	4,774,956,000,000	5,655,139,000,000

## LAMPIRAN 6

### HASIL UJI SPSS

#### 1) HASIL UJI ANALISIS STATISTIK DESKRIPTIF

##### Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Profitabilitas (ROA)	60	-2.641	.607	.05110	.377319
Likuiditas (CR)	60	.152	15.822	3.21513	3.461324
Leverage (DER)	60	-2.127	1.898	.51843	.877757
Pertumbuhan Laba	60	-23.607	1.372	-.77803	3.596988
Valid N (listwise)	60				

#### 1. HASIL UJI NORMALITAS



### One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		60
Normal Parameters <sup>a,b</sup>	Mean	.0000000
	Std. Deviation	.46608373
Most Extreme Differences	Absolute	.058
	Positive	.058
	Negative	-.058
Kolmogorov-Smirnov Z		.450
Asymp. Sig. (2-tailed)		.987

a. Test distribution is Normal.

b. Calculated from data.

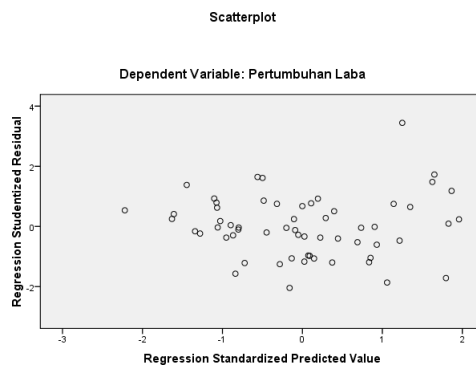
## 2. HASIL UJI MULTIKOLONIERITAS

### Coefficients<sup>a</sup>

Model		Collinearity Statistics	
		Tolerance	VIF
1	Profitabilitas (ROA)	.911	1.098
	Likuiditas (CR)	.787	1.271
	Leverage (DER)	.788	1.269

a. Dependent Variable: Pertumbuhan Laba

### 3. HASIL UJI HETEROSKEDASTISITAS



### 4. HASIL UJI AUTOKORELASI

### Model Summary<sup>b</sup>

Model	Durbin-Watson
1	1.910 <sup>a</sup>

a. Predictors:

(Constant),

Leverage (DER),

Profitabilitas (ROA),

Likuiditas (CR)

b. Dependent

Variable:

Pertumbuhan Laba

## 5. HASIL REGRESI LINIER BERGANDA

### Coefficients<sup>a</sup>

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.		
	B	Std. Error	Beta				
1	(Constant)	-.659	.846			-.779	.439
	Profitabilitas (ROA)	-.696	1.350	-.073	-.515	.608	
	Likuiditas (CR)	-.024	.166	-.020	-.147	.883	
	Leverage (DER)	-.020	.687	-.004	-.029	.977	

a. Dependent Variable: Pertumbuhan Laba

### 6. HASIL UJI T

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.659	.846		-.779	.439
	Profitabilitas (ROA)	-.696	1.350	-.073	-.515	.608
	Likuiditas (CR)	-.024	.166	-.020	-.147	.883
	Leverage (DER)	-.020	.687	-.004	-.029	.977

a. Dependent Variable: Pertumbuhan Laba

**7. HASIL UJI SIMULTAN F**

**ANOVA<sup>b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	204.817	3	68.272	6.845	.001 <sup>a</sup>
	Residual	558.545	56	9.974		
	Total	763.361	59			

a. Predictors: (Constant), Leverage (DER), Profitabilitas (ROA), Likuiditas (CR)

b. Dependent Variable: Pertumbuhan Laba

**8. HASIL UJI KOEFOSIEN DETERMINASI R<sup>2</sup>**

### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.518 <sup>a</sup>	.268	.229	3.158166

a. Predictors: (Constant), Leverage (DER), Profitabilitas (ROA), Likuiditas (CR)

## LAMPIRAN 7

### UJI T TABEL

D.F.	TINGKAT SIGNIFIKANSI						
	20%	10%	5%	2%	1%	0,2%	0,1%
Dua sisi	20%	10%	5%	2%	1%	0,2%	0,1%
Satu sisi	10%	5%	2,5%	1%	0,5%	0,1%	0,05%
1	3,078	6,314	12,706	31,821	63,657	318,309	636,619
2	1,886	2,920	4,303	6,965	9,925	22,327	31,599
3	1,638	2,353	3,182	4,541	5,841	10,215	12,924
4	1,533	2,132	2,776	3,747	4,604	7,173	8,610
5	1,476	2,015	2,571	3,365	4,032	5,893	6,869
6	1,440	1,943	2,447	3,143	3,707	5,208	5,959
7	1,415	1,895	2,365	2,998	3,499	4,785	5,408

8	1,397	1,860	2,306	2,896	3,355	4,501	5,041
9	1,383	1,833	2,262	2,821	3,250	4,297	4,781
10	1,372	1,812	2,228	2,764	3,169	4,144	4,587
11	1,363	1,796	2,201	2,718	3,106	4,025	4,437
12	1,356	1,782	2,179	2,681	3,055	3,930	4,318
13	1,350	1,771	2,160	2,650	3,012	3,852	4,221
14	1,345	1,761	2,145	2,624	2,977	3,787	4,140
15	1,341	1,753	2,131	2,602	2,947	3,733	4,073
16	1,337	1,746	2,120	2,583	2,921	3,686	4,015
17	1,333	1,740	2,110	2,567	2,898	3,646	3,965
18	1,330	1,734	2,101	2,552	2,878	3,610	3,922
19	1,328	1,729	2,093	2,539	2,861	3,579	3,883
20	1,325	1,725	2,086	2,528	2,845	3,552	3,850
21	1,323	1,721	2,080	2,518	2,831	3,527	3,819



22	1,321	1,717	2,074	2,508	2,819	3,505	3,792
23	1,319	1,714	2,069	2,500	2,807	3,485	3,768
24	1,318	1,711	2,064	2,492	2,797	3,467	3,745
25	1,316	1,708	2,060	2,485	2,787	3,450	3,725
26	1,315	1,706	2,056	2,479	2,779	3,435	3,707
27	1,314	1,703	2,052	2,473	2,771	3,421	3,690
28	1,313	1,701	2,048	2,467	2,763	3,408	3,674
29	1,311	1,699	2,045	2,462	2,756	3,396	3,659
30	1,310	1,697	2,042	2,457	2,750	3,385	3,646
31	1,309	1,696	2,040	2,453	2,744	3,375	3,633
32	1,309	1,694	2,037	2,449	2,738	3,365	3,622
33	1,308	1,692	2,035	2,445	2,733	3,356	3,611
34	1,307	1,691	2,032	2,441	2,728	3,348	3,601
35	1,306	1,690	2,030	2,438	2,724	3,340	3,591

36	1,306	1,688	2,028	2,434	2,719	3,333	3,582
37	1,305	1,687	2,026	2,431	2,715	3,326	3,574
38	1,304	1,686	2,024	2,429	2,712	3,319	3,566
39	1,304	1,685	2,023	2,426	2,708	3,313	3,558
40	1,303	1,684	2,021	2,423	2,704	3,307	3,551
41	1,303	1,683	2,020	2,421	2,701	3,301	3,544
42	1,302	1,682	2,018	2,418	2,698	3,296	3,538
43	1,302	1,681	2,017	2,416	2,695	3,291	3,532
44	1,301	1,680	2,015	2,414	2,692	3,286	3,526
45	1,301	1,679	2,014	2,412	2,690	3,281	3,520
46	1,300	1,679	2,013	2,410	2,687	3,277	3,515
47	1,300	1,678	2,012	2,408	2,685	3,273	3,510
48	1,299	1,677	2,011	2,407	2,682	3,269	3,505
49	1,299	1,677	2,010	2,405	2,680	3,265	3,500

50	1,299	1,676	2,009	2,403	2,678	3,261	3,496
51	1,298	1,675	2,008	2,402	2,676	3,258	3,492
52	1,298	1,675	2,007	2,400	2,674	3,255	3,488
53	1,298	1,674	2,006	2,399	2,672	3,251	3,484
54	1,297	1,674	2,005	2,397	2,670	3,248	3,480
55	1,297	1,673	2,004	2,396	2,668	3,245	3,476
56	1,297	1,673	2,003	2,395	2,667	3,242	3,473
57	1,297	1,672	2,002	2,394	2,665	3,239	3,470
58	1,296	1,672	2,002	2,392	2,663	3,237	3,466
59	1,296	1,671	2,001	2,391	2,662	3,234	3,463
60	1,296	1,671	2,000	2,390	2,660	3,232	3,460

## LAMPIRAN 8

### UJI F TABEL

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161	199	216	225	230	234	237	239	241	242	243	244	245	245	246
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.40	19.41	19.42	19.42	19.43
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.76	8.74	8.73	8.71	8.70
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.94	5.91	5.89	5.87	5.86
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.70	4.68	4.66	4.64	4.62
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.03	4.00	3.98	3.96	3.94
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.60	3.57	3.55	3.53	3.51
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.31	3.28	3.26	3.24	3.22
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.10	3.07	3.05	3.03	3.01
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.94	2.91	2.89	2.86	2.85
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.82	2.79	2.76	2.74	2.72
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.72	2.69	2.66	2.64	2.62
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.63	2.60	2.58	2.55	2.53
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.57	2.53	2.51	2.48	2.46
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.51	2.48	2.45	2.42	2.40
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.46	2.42	2.40	2.37	2.35
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.41	2.38	2.35	2.33	2.31
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.31	2.29	2.27
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.34	2.31	2.28	2.26	2.23
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.31	2.28	2.25	2.22	2.20
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.22	2.20	2.18
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.26	2.23	2.20	2.17	2.15
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.24	2.20	2.18	2.15	2.13
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.22	2.18	2.15	2.13	2.11
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.20	2.16	2.14	2.11	2.09
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.12	2.09	2.07
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.17	2.13	2.10	2.08	2.06
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.15	2.12	2.09	2.06	2.04
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.08	2.05	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.13	2.09	2.06	2.04	2.01
31	4.16	3.30	2.91	2.68	2.52	2.41	2.32	2.25	2.20	2.15	2.11	2.08	2.05	2.03	2.00
32	4.15	3.29	2.90	2.67	2.51	2.40	2.31	2.24	2.19	2.14	2.10	2.07	2.04	2.01	1.99
33	4.14	3.28	2.89	2.66	2.50	2.39	2.30	2.23	2.18	2.13	2.09	2.06	2.03	2.00	1.98
34	4.13	3.28	2.88	2.65	2.49	2.38	2.29	2.23	2.17	2.12	2.08	2.05	2.02	1.99	1.97
35	4.12	3.27	2.87	2.64	2.49	2.37	2.29	2.22	2.16	2.11	2.07	2.04	2.01	1.99	1.96
36	4.11	3.26	2.87	2.63	2.48	2.36	2.28	2.21	2.15	2.11	2.07	2.03	2.00	1.98	1.95
37	4.11	3.25	2.86	2.63	2.47	2.36	2.27	2.20	2.14	2.10	2.06	2.02	2.00	1.97	1.95
38	4.10	3.24	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.99	1.96	1.94
39	4.09	3.24	2.85	2.61	2.46	2.34	2.26	2.19	2.13	2.08	2.04	2.01	1.98	1.95	1.93
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.04	2.00	1.97	1.95	1.92
41	4.08	3.23	2.83	2.60	2.44	2.33	2.24	2.17	2.12	2.07	2.03	2.00	1.97	1.94	1.92
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.03	1.99	1.96	1.94	1.91
43	4.07	3.21	2.82	2.59	2.43	2.32	2.23	2.16	2.11	2.06	2.02	1.99	1.96	1.93	1.91
44	4.06	3.21	2.82	2.58	2.43	2.31	2.23	2.16	2.10	2.05	2.01	1.98	1.95	1.92	1.90
45	4.06	3.20	2.81	2.58	2.42	2.31	2.22	2.15	2.10	2.05	2.01	1.97	1.94	1.92	1.89

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46	4.05	3.20	2.81	2.57	2.42	2.30	2.22	2.15	2.09	2.04	2.00	1.97	1.94	1.91	1.89
47	4.05	3.20	2.80	2.57	2.41	2.30	2.21	2.14	2.09	2.04	2.00	1.96	1.93	1.91	1.88
48	4.04	3.19	2.80	2.57	2.41	2.29	2.21	2.14	2.08	2.03	1.99	1.96	1.93	1.90	1.88
49	4.04	3.19	2.79	2.56	2.40	2.29	2.20	2.13	2.08	2.03	1.99	1.96	1.93	1.90	1.88
50	4.03	3.18	2.79	2.56	2.40	2.29	2.20	2.13	2.07	2.03	1.99	1.95	1.92	1.89	1.87
51	4.03	3.18	2.79	2.55	2.40	2.28	2.20	2.13	2.07	2.02	1.98	1.95	1.92	1.89	1.87
52	4.03	3.18	2.78	2.55	2.39	2.28	2.19	2.12	2.07	2.02	1.98	1.94	1.91	1.89	1.86
53	4.02	3.17	2.78	2.55	2.39	2.28	2.19	2.12	2.06	2.01	1.97	1.94	1.91	1.88	1.86
54	4.02	3.17	2.78	2.54	2.39	2.27	2.18	2.12	2.06	2.01	1.97	1.94	1.91	1.88	1.86
55	4.02	3.16	2.77	2.54	2.38	2.27	2.18	2.11	2.06	2.01	1.97	1.93	1.90	1.88	1.85
56	4.01	3.16	2.77	2.54	2.38	2.27	2.18	2.11	2.05	2.00	1.96	1.93	1.90	1.87	1.85
57	4.01	3.16	2.77	2.53	2.38	2.26	2.18	2.11	2.05	2.00	1.96	1.93	1.90	1.87	1.85
58	4.01	3.16	2.76	2.53	2.37	2.26	2.17	2.10	2.05	2.00	1.96	1.92	1.89	1.87	1.84
59	4.00	3.15	2.76	2.53	2.37	2.26	2.17	2.10	2.04	2.00	1.96	1.92	1.89	1.86	1.84
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99	1.95	1.92	1.89	1.86	1.84
61	4.00	3.15	2.76	2.52	2.37	2.25	2.16	2.09	2.04	1.99	1.95	1.91	1.88	1.86	1.83
62	4.00	3.15	2.75	2.52	2.36	2.25	2.16	2.09	2.03	1.99	1.95	1.91	1.88	1.85	1.83
63	3.99	3.14	2.75	2.52	2.36	2.25	2.16	2.09	2.03	1.98	1.94	1.91	1.88	1.85	1.83
64	3.99	3.14	2.75	2.52	2.36	2.24	2.16	2.09	2.03	1.98	1.94	1.91	1.88	1.85	1.83
65	3.99	3.14	2.75	2.51	2.36	2.24	2.15	2.08	2.03	1.98	1.94	1.90	1.87	1.85	1.82
66	3.99	3.14	2.74	2.51	2.35	2.24	2.15	2.08	2.03	1.98	1.94	1.90	1.87	1.84	1.82
67	3.98	3.13	2.74	2.51	2.35	2.24	2.15	2.08	2.02	1.98	1.93	1.90	1.87	1.84	1.82
68	3.98	3.13	2.74	2.51	2.35	2.24	2.15	2.08	2.02	1.97	1.93	1.90	1.87	1.84	1.82
69	3.98	3.13	2.74	2.50	2.35	2.23	2.15	2.08	2.02	1.97	1.93	1.90	1.86	1.84	1.81
70	3.98	3.13	2.74	2.50	2.35	2.23	2.14	2.07	2.02	1.97	1.93	1.89	1.86	1.84	1.81
71	3.98	3.13	2.73	2.50	2.34	2.23	2.14	2.07	2.01	1.97	1.93	1.89	1.86	1.83	1.81
72	3.97	3.12	2.73	2.50	2.34	2.23	2.14	2.07	2.01	1.96	1.92	1.89	1.86	1.83	1.81
73	3.97	3.12	2.73	2.50	2.34	2.23	2.14	2.07	2.01	1.96	1.92	1.89	1.86	1.83	1.81
74	3.97	3.12	2.73	2.50	2.34	2.22	2.14	2.07	2.01	1.96	1.92	1.89	1.85	1.83	1.80
75	3.97	3.12	2.73	2.49	2.34	2.22	2.13	2.06	2.01	1.96	1.92	1.88	1.85	1.83	1.80
76	3.97	3.12	2.72	2.49	2.33	2.22	2.13	2.06	2.01	1.96	1.92	1.88	1.85	1.82	1.80
77	3.97	3.12	2.72	2.49	2.33	2.22	2.13	2.06	2.00	1.96	1.92	1.88	1.85	1.82	1.80
78	3.96	3.11	2.72	2.49	2.33	2.22	2.13	2.06	2.00	1.95	1.91	1.88	1.85	1.82	1.80
79	3.96	3.11	2.72	2.49	2.33	2.22	2.13	2.06	2.00	1.95	1.91	1.88	1.85	1.82	1.79
80	3.96	3.11	2.72	2.49	2.33	2.21	2.13	2.06	2.00	1.95	1.91	1.88	1.84	1.82	1.79