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LAMPIRAN

Lampiran 1 Data Curah Hujan Kota Makassar 2009-2023

Tahun	Nama Bulan	Bulan Ke-	Curah Hujan (mm)
2009	Januari	1	922,8
2009	Februari	2	738
2009	Maret	3	196,5
2009	April	4	71,4
2009	Mei	5	48,2
2009	Juni	6	35,6
2009	Juli	7	41
2009	Agustus	8	0
2009	September	9	0
2009	Oktober	10	15,7
2009	November	11	17,5
2009	Desember	12	474,1
2010	Januari	13	873
2010	Februari	14	429
2010	Maret	15	279
2010	April	16	230
2010	Mei	17	144
2010	Juni	18	124
2010	Juli	19	100
2010	Agustus	20	57
2010	September	21	231
2010	Oktober	22	223
2010	November	23	238
2010	Desember	24	760
2011	Januari	25	562
2011	Februari	26	529
2011	Maret	27	595
2011	April	28	386
2011	Mei	29	162
2011	Juni	30	8
2011	Juli	31	1
2011	Agustus	32	0

Lanjutan Lampiran 1

Tahun	Nama Bulan	Bulan Ke-	Curah Hujan (mm)
2011	September	33	0
2011	Oktober	34	40
2011	November	35	183
2011	Desember	36	827
2012	Januari	37	520
2012	Februari	38	372
2012	Maret	39	639
2012	April	40	78
2012	Mei	41	208
2012	Juni	42	36
2012	Juli	43	68,5
2012	Agustus	44	0
2012	September	45	0
2012	Oktober	46	9,8
2012	November	47	71
2012	Desember	48	445
2013	Januari	49	979,6
2013	Februari	50	420,7
2013	Maret	51	335,4
2013	April	52	268,9
2013	Mei	53	135,1
2013	Juni	54	27,5
2013	Juli	55	91,9
2013	Agustus	56	1,2
2013	September	57	1,7
2013	Oktober	58	23,6
2013	November	59	202,7
2013	Desember	60	674,5
2014	Januari	61	740,1
2014	Februari	62	340,6
2014	Maret	63	310,6
2014	April	64	278
2014	Mei	65	101,1

Lanjutan Lampiran 1

Tahun	Nama Bulan	Bulan Ke-	Curah Hujan (mm)
2014	Juni	66	133,4
2014	Juli	67	29,7
2014	Agustus	68	5,4
2014	September	69	0
2014	Oktober	70	0
2014	November	71	92,4
2014	Desember	72	593,4
2015	Januari	73	1054,2
2015	Februari	74	353,9
2015	Maret	75	313,3
2015	April	76	216,9
2015	Mei	77	8,5
2015	Juni	78	54,8
2015	Juli	79	0
2015	Agustus	80	0
2015	September	81	0
2015	Oktober	82	0
2015	November	83	149,8
2015	Desember	84	629,6
2016	Januari	85	376,2
2016	Februari	86	722,7
2016	Maret	87	221,1
2016	April	88	115,8
2016	Mei	89	43,6
2016	Juni	90	47,5
2016	Juli	91	13
2016	Agustus	92	0
2016	September	93	79,2
2016	Oktober	94	424,9
2016	November	95	148,9
2016	Desember	96	584,7
2017	Januari	97	731,6
2017	Februari	98	399,9

Lanjutan Lampiran 1

Tahun	Nama Bulan	Bulan Ke-	Curah Hujan (mm)
2017	Maret	99	449
2017	April	100	225
2017	Mei	101	45
2017	Juni	102	194,1
2017	Juli	103	21,4
2017	Agustus	104	51,9
2017	September	105	67,5
2017	Oktober	106	90,3
2017	November	107	496
2017	Desember	108	955,6
2018	Januari	109	780,1
2018	Februari	110	751,6
2018	Maret	111	601,6
2018	April	112	164,9
2018	Mei	113	32,2
2018	Juni	114	97,1
2018	Juli	115	44,9
2018	Agustus	116	1,2
2018	September	117	0
2018	Oktober	118	11,9
2018	November	119	154,8
2018	Desember	120	874
2019	Januari	121	565,1
2019	Februari	122	209,7
2019	Maret	123	441,7
2019	April	124	383,6
2019	Mei	125	59,4
2019	Juni	126	60,7
2019	Juli	127	2,3
2019	Agustus	128	0
2019	September	129	0
2019	Oktober	130	0
2019	November	131	84,2

Lanjutan Lampiran 1

Tahun	Nama Bulan	Bulan Ke-	Curah Hujan (mm)
2019	Desember	132	279,7
2020	Januari	133	573
2020	Februari	134	538,2
2020	Maret	135	264,9
2020	April	136	111
2020	Mei	137	171,1
2020	Juni	138	73,1
2020	Juli	139	8,4
2020	Agustus	140	16,4
2020	September	141	9,6
2020	Oktober	142	53,7
2020	November	143	247,9
2020	Desember	144	942,4
2021	Januari	145	1195
2021	Februari	146	434,3
2021	Maret	147	679,9
2021	April	148	430,4
2021	Mei	149	65
2021	Juni	150	75,4
2021	Juli	151	43
2021	Agustus	152	64
2021	September	153	114,6
2021	Oktober	154	107,7
2021	November	155	327,7
2021	Desember	156	964
2022	Januari	157	765
2022	Februari	158	660,3
2022	Maret	159	236,2
2022	April	160	63,3
2022	Mei	161	313,2
2022	Juni	162	104,6
2022	Juli	163	7,6
2022	Agustus	164	41,7

Lanjutan Lampiran 1

Tahun	Nama Bulan	Bulan Ke-	Curah Hujan (mm)
2022	September	165	47,9
2022	Oktober	166	389,6
2022	November	167	341,4
2022	Desember	168	751,1
2023	Januari	169	648,3
2023	Februari	170	1100,8
2023	Maret	171	190,3
2023	April	172	245
2023	Mei	173	68,3
2023	Juni	174	40,2
2023	Juli	175	66,7
2023	Agustus	176	0
2023	September	177	0
2023	Oktober	178	7,5
2023	November	179	92,4
2023	Desember	180	190,7

Lampiran 2 Kode MATLAB Plot Data Curah Hujan

```
clc;
clear all;

% Baca data curah hujan dari file Excel
data = xlsread('data.xlsx');

% Pisahkan data curah hujan
bulan = data(:, 3); % Kolom ke-3 adalah 'Bulan'
curah_hujan = data(:, 4); % Kolom ke-4 adalah 'Curah Hujan (mm)'
```



```
% Plot curah hujan
figure;
plot(bulan, curah_hujan, 'LineWidth', 2);
title('Data Curah Hujan di Kota Makassar (Januari 2009 -
Desember 2023)', 'FontSize', 14, 'FontWeight', 'bold');
xlabel('Bulan', 'FontSize', 12, 'FontWeight', 'bold');
ylabel('Curah Hujan (mm)', 'FontSize', 12, 'FontWeight',
'bold');
set(gca, 'XTick', 6:6:180);
```


Lampiran 3 Kode MATLAB Implementasi Transformasi Fourier

```

clc;clear all;
% Baca data curah hujan dari file Excel
data = xlsread('data.xlsx');

% Memisahkan data ke dalam kolom yang sesuai
bulan = data(:, 3); % Kolom ke-3 adalah 'Bulan'
curah_hujan = data(:, 4); % Kolom ke-4 adalah 'Curah Hujan (mm) '

% Transformasi Fourier
N = length(curah_hujan); % Panjang data
Y = fft(curah_hujan); % Transformasi Fourier

% Tampilkan hasil transformasi Fourier
fprintf('u\tReal\tImaginer\n');
for k = 1:N
    fprintf('%d\t%.2f\t%.2f\n', k-1, real(Y(k)), imag(Y(k)));
end

% Hitung frekuensi
Fs = 1; % Frekuensi sampel (satu data per bulan)
f = Fs*(0:(N/2))/N;

% Hitung periode (inverse dari frekuensi)
periode = 1./f;

% Hitung Amplitudo
amplitudo_fft = (2/N) * abs(Y(1:N/2+1));

% Temukan frekuensi dominan
[amplitudo_fft_max, idx_max_fft] = max(amplitudo_fft(periode
<= 180));
frekuensi_dominan_fft = f(idx_max_fft);
fprintf('Frekuensi Dominan dari Transformasi Fourier: %.2f\n',
frekuensi_dominan_fft);

% Ambil periode yang sesuai dengan indeks puncak
periode_dominan = 1./frekuensi_dominan_fft;

% Tampilkan periode curah hujan berdasarkan puncak-puncak
fprintf('Periode Curah Hujan yang Signifikan: %.2f bulan\n',
periode_dominan);

% Plot spektrum Fourier
figure;
subplot(2,1,1);

```

```

plot(f, amplitudo_fft, 'LineWidth', 1.5);
title('Spektrum Frekuensi dengan Transformasi Fourier',
'FontSize', 16, 'FontWeight', 'bold');
xlabel('Frekuensi', 'FontSize', 14, 'FontWeight', 'bold');
ylabel('Amplitudo', 'FontSize', 14, 'FontWeight', 'bold');
grid on;

% Plot amplitudo spektrum Fourier dengan periode
subplot(2,1,2);
plot(periode, amplitudo_fft, 'LineWidth', 1.5);
title('Amplitudo Spektrum Fourier dan Periode', 'FontSize', 16,
'FontWeight', 'bold');
xlabel('Periode (bulan)', 'FontSize', 14, 'FontWeight',
'bold');
ylabel('Amplitudo', 'FontSize', 14, 'FontWeight', 'bold');
grid on;

% Inisialisasi matriks untuk menyimpan data Fourier
Fourier_data = zeros(N, 3);

% Simpan informasi ke dalam matriks
for k = 1:N
    Fourier_data(k, :) = [k-1, real(Y(k)), imag(Y(k))];
end

% Tentukan nama kolom
column_names = {'u', 'Real', 'Imaginer'};

% Tulis data ke dalam file Excel
xlswrite('output.xlsx', column_names, 'Sheet1', 'A1');
xlswrite('output.xlsx', Fourier_data, 'Sheet1', 'A2');

```

Lampiran 4 Data Curah Hujan dalam Domain Frekuensi dan Amplitudo Hasil FFT)

u	Riil	Imajiner	$ F(u) $
0	46546	0	46546
1	889,1369144	1720,3651	1936,549
2	-192,226837	311,3323084	365,8947
3	-3475,940869	990,5890386	3614,337
4	-2467,800752	-3514,285097	4294,21
5	362,8923656	1010,641968	1073,819
6	-1340,393925	1492,627804	2006,139
7	1036,350237	754,8551744	1282,119
8	1006,356682	-770,1601857	1267,241
9	-936,6804998	-860,614255	1272,017
10	1976,583079	-810,5876206	2136,336
11	2195,77899	1632,154601	2735,941
12	-371,693847	1865,851032	1902,513
13	571,8575305	134,6670228	587,5
14	-536,7515267	-183,8352449	567,3602
15	18382,91284	-19295,97362	26650,82
16	1278,280008	1387,518597	1886,586
17	319,8674162	1205,249817	1246,973
18	998,5513596	1283,017286	1625,804
19	-36,11254341	-16,15447429	39,56113
20	1412,700384	-1173,0007	1836,206
21	-515,4319036	236,4780687	567,0908
22	-685,0113689	-306,2449225	750,3509
23	-149,5914575	-761,2470135	775,8058
24	-1693,632329	2,759316317	1693,635
25	570,1399649	-1489,153039	1594,565
26	1963,684683	339,2143147	1992,768
27	640,6745301	313,8208804	713,4055
28	1063,508651	-1694,074742	2000,235
29	387,3447361	-531,7771545	657,8928
30	10130,7	-10556,33006	14631,04
31	1476,010298	-237,9932966	1495,074
32	223,2374161	1131,603203	1153,413
33	565,9373358	-659,7122258	869,1981
34	-55,73383314	-887,4132484	889,1617

Lanjutan Lampiran 4

u	Riil	Imajiner	$ F(u) $
35	-519,9093355	-114,3248251	532,3306
36	-1071,152199	497,4363397	1181,021
37	-619,6070999	1161,984561	1316,86
38	-371,4183202	-1669,331192	1710,152
39	-822,4609048	92,03714066	827,5946
40	393,0618733	-1096,682323	1164,993
41	1744,235094	-47,8795207	1744,892
42	243,7780497	513,5707376	568,4915
43	-704,3140932	-1664,329115	1807,222
44	-441,9498171	-504,4045853	670,6293
45	8400,1	-6305,9	10503,62
46	684,4681476	-894,3217502	1126,192
47	1075,437593	813,2673746	1348,321
48	-17,22264412	-180,5200299	181,3397
49	-202,4107579	-433,3108746	478,2556
50	49,26372307	837,3609295	838,8088
51	-606,2978903	616,418749	864,6208
52	2,097526838	1520,053171	1520,055
53	-1115,277263	-173,6150709	1128,71
54	-768,5013596	-313,0872183	829,8301
55	-267,5329591	-671,3129919	722,6583
56	610,5758574	-514,7808018	798,6252
57	204,7946091	-177,9392166	271,2991
58	-202,9847382	-336,2283155	392,7496
59	45,63465044	105,0362277	114,5213
60	7768,9	-4146,702838	8806,302
61	-681,7692685	-472,4153313	829,449
62	727,8315114	-253,5181041	770,7205
63	55,05373925	78,32552015	95,73819
64	-113,0557161	19,48948943	114,7233
65	703,9364832	745,3280402	1025,203
66	-830,6615468	496,316377	967,6407
67	561,895898	530,6140165	772,8378
68	48,75553161	-72,39660577	87,28328
69	-1157,832863	-208,0004702	1176,368

Lanjutan Lampiran 4

u	Riil	Imajiner	$ F(u) $
70	441,6531979	-475,1993298	648,7464
71	326,9811094	194,4048785	380,4075
72	-183,0978014	186,7772749	261,5541
73	-152,8705794	-851,2060403	864,8243
74	322,3322585	-219,8327088	390,1596
75	7307,487158	-1704,226384	7503,583
76	-119,6812723	628,7787846	640,0675
77	-155,8649825	52,13620138	164,3535
78	293,8274226	-357,1157494	462,4567
79	243,171347	57,49833325	249,8767
80	44,63774243	44,6218475	63,11606
81	-332,6477695	481,6606555	585,3644
82	165,8022514	721,1876179	740,0013
83	319,3866701	-312,6038837	446,9105
84	-801,1011794	114,6908344	809,2695
85	224,7734808	-970,5547866	996,2428
86	498,2577728	-99,01670337	508,0011
87	-175,6675148	200,9812278	266,9317
88	-295,4741149	-373,2797862	476,0701
89	331,4295608	-485,0958869	587,5062
90	7349,4	0	7349,4
91	331,4295608	485,0958869	587,5062
92	-295,4741149	373,2797862	476,0701
93	-175,6675148	-200,9812278	266,9317
94	498,2577728	99,01670337	508,0011
95	224,7734808	970,5547866	996,2428
96	-801,1011794	-114,6908344	809,2695
97	319,3866701	312,6038837	446,9105
98	165,8022514	-721,1876179	740,0013
99	-332,6477695	-481,6606555	585,3644
100	44,63774243	-44,6218475	63,11606
101	243,171347	-57,49833325	249,8767
102	293,8274226	357,1157494	462,4567
103	-155,8649825	-52,13620138	164,3535
104	-119,6812723	-628,7787846	640,0675

Lanjutan Lampiran 4

u	Riil	Imajiner	$ F(u) $
105	7307,487158	1704,226384	7503,583
106	322,3322585	219,8327088	390,1596
107	-152,8705794	851,2060403	864,8243
108	-183,0978014	-186,7772749	261,5541
109	326,9811094	-194,4048785	380,4075
110	441,6531979	475,1993298	648,7464
111	-1157,832863	208,0004702	1176,368
112	48,75553161	72,39660577	87,28328
113	561,895898	-530,6140165	772,8378
114	-830,6615468	-496,316377	967,6407
115	703,9364832	-745,3280402	1025,203
116	-113,0557161	-19,48948943	114,7233
117	55,05373925	-78,32552015	95,73819
118	727,8315114	253,5181041	770,7205
119	-681,7692685	472,4153313	829,449
120	7768,9	4146,702838	8806,302
121	45,63465044	-105,0362277	114,5213
122	-202,9847382	336,2283155	392,7496
123	204,7946091	177,9392166	271,2991
124	610,5758574	514,7808018	798,6252
125	-267,5329591	671,3129919	722,6583
126	-768,5013596	313,0872183	829,8301
127	-1115,277263	173,6150709	1128,71
128	2,097526838	-1520,053171	1520,055
129	-606,2978903	-616,418749	864,6208
130	49,26372307	-837,3609295	838,8088
131	-202,4107579	433,3108746	478,2556
132	-17,22264412	180,5200299	181,3397
133	1075,437593	-813,2673746	1348,321
134	684,4681476	894,3217502	1126,192
135	8400,1	6305,9	10503,62
136	-441,9498171	504,4045853	670,6293
137	-704,3140932	1664,329115	1807,222
138	243,7780497	-513,5707376	568,4915
139	1744,235094	47,8795207	1744,892

Lanjutan Lampiran 5

u	Riil	Imajiner	$ F(u) $
140	393,0618733	1096,682323	1164,993
141	-822,4609048	-92,03714066	827,5946
142	-371,4183202	1669,331192	1710,152
143	-619,6070999	-1161,984561	1316,86
144	-1071,152199	-497,4363397	1181,021
145	-519,9093355	114,3248251	532,3306
146	-55,73383314	887,4132484	889,1617
147	565,9373358	659,7122258	869,1981
148	223,2374161	-1131,603203	1153,413
149	1476,010298	237,9932966	1495,074
150	10130,7	10556,33006	14631,04
151	387,3447361	531,7771545	657,8928
152	1063,508651	1694,074742	2000,235
153	640,6745301	-313,8208804	713,4055
154	1963,684683	-339,2143147	1992,768
155	570,1399649	1489,153039	1594,565
156	-1693,632329	-2,759316317	1693,635
157	-149,5914575	761,2470135	775,8058
158	-685,0113689	306,2449225	750,3509
159	-515,4319036	-236,4780687	567,0908
160	1412,700384	1173,0007	1836,206
161	-36,11254341	16,15447429	39,56113
162	998,5513596	-1283,017286	1625,804
163	319,8674162	-1205,249817	1246,973
164	1278,280008	-1387,518597	1886,586
165	18382,91284	19295,97362	26650,82
166	-536,7515267	183,8352449	567,3602
167	571,8575305	-134,6670228	587,5
168	-371,693847	-1865,851032	1902,513
169	2195,77899	-1632,154601	2735,941
170	1976,583079	810,5876206	2136,336
171	-936,6804998	860,614255	1272,017
172	1006,356682	770,1601857	1267,241
173	1036,350237	-754,8551744	1282,119
174	-1340,393925	-1492,627804	2006,139

Lanjutan Lampiran 4

u	Riil	Imajiner	$ F(u) $
175	362,8923656	-1010,641968	1073,819
176	-2467,800752	3514,285097	4294,21
177	-3475,940869	-990,5890386	3614,337
178	-192,226837	-311,3323084	365,8947
179	889,1369144	-1720,3651	1936,549

Lampiran 5 Kode MATLAB Implementasi Transformasi Fourier

```

clc;clear all;
% Baca data curah hujan dari file Excel
data = xlsread('data.xlsx'); % Ubah 'data.xlsx' dengan nama
file Excel Anda

% Memisahkan data ke dalam kolom yang sesuai
bulan = data(:, 3); % Kolom ke-3 adalah 'Bulan'
curah_hujan = data(:, 4); % Kolom ke-4 adalah 'Curah Hujan
(mm) '

% Transformasi Wavelet
scales = 1:12; % Skala wavelet dari 1 bulan hingga 12 bulan
wt = cwt(curah_hujan, scales, 'mexh');

% Menampilkan beberapa nilai hasil transformasi wavelet
disp('Hasil Transformasi Wavelet:');
disp('-----');
disp(wt);

% Hitung frekuensi yang sesuai dengan skala wavelet
f_wavelet = 1 ./ scales;

% Hitung amplitudo
amplitudo_wavelet = abs(wt);

% Plot spektrum wavelet
figure;
contourf(bulan, f_wavelet, amplitudo_wavelet, 'LineStyle',
'none');
colorbar;
title('Spektrum dalam Domain Frekuensi dengan Transformasi
Wavelet', 'FontSize', 16, 'FontWeight', 'bold');
xlabel('Bulan', 'FontSize', 14, 'FontWeight', 'bold');
ylabel('Frekuensi', 'FontSize', 14, 'FontWeight', 'bold');
ylabel(colorbar, 'Amplitudo', 'FontSize', 14, 'FontWeight',
'bold');
% Atur label sumbu x
set(gca, 'XTick', 3:3:180);
grid on;

% Hitung energi total dari transformasi wavelet
energi_total_wavelet = sum(sum(amplitudo_wavelet));

```

```

fprintf('Energi Total dari Transformasi Wavelet: %.2f\n',
energi_total_wavelet);

% Temukan puncak amplitudo dari transformasi wavelet
[puncak_amplitudo, idx_puncak_wavelet] =
max(amplitudo_wavelet);
[baris_puncak, kolom_puncak] =
ind2sub(size(amplitudo_wavelet), idx_puncak_wavelet);
frekuensi_puncak_wavelet = f_wavelet(baris_puncak);
skala_puncak_wavelet = scales(kolom_puncak);

% Tampilkan puncak amplitudo dalam tabel
disp('Puncak Amplitudo dari Transformasi Wavelet:');
disp('-----');
disp('Puncak Amplitudo | Frekuensi | Skala');
disp('-----');
fprintf('%16.2f | %9.2f | %5.2f\n', puncak_amplitudo,
frekuensi_puncak_wavelet, skala_puncak_wavelet);
disp('-----');

% Simpan informasi puncak amplitudo ke dalam sebuah matriks
peak_data = [puncak_amplitudo', frekuensi_puncak_wavelet',
skala_puncak_wavelet', wt'];

% Tentukan nama kolom
column_names = {'Puncak_Amplitudo', 'Frekuensi', 'Skala',
'wt'};

% Tulis data ke dalam file Excel
xlswrite('output_peak_amplitudes.xlsx', column_names,
'Sheet1', 'A1');
xlswrite('output_peak_amplitudes.xlsx', peak_data, 'Sheet1',
'A2');

```

Lampiran 6 Hasil Transformasi Wavelet $Wf(u, s)$ pada skala s dan translasi u

u	s											
	1	2	3	4	5	6	7	8	9	10	11	12
1	227,5804	587,1172	666,575	612,3358	472,3339	315,4479	207,6768	143,5003	78,34929	46,83773	19,9842	1,144888
2	800,2852	905,1083	817,7258	670,5352	484,1977	334,1837	208,5901	159,7153	102,2332	47,87122	58,88921	4,819636
3	190,3787	682,4332	735,9148	578,1718	400,9919	271,5894	201,0079	162,7484	118,0136	99,59216	95,52988	88,80682
4	-286,612	150,5727	420,5727	348,9083	233,0264	192,8045	173,0074	154,1982	123,6897	121,1404	76,3255	110,2603
5	-190,261	-255,101	1,699427	37,0532	57,24657	112,6897	149,4044	136,7252	126,5706	134,6025	101,6619	109,6759
6	-50,4755	-365,507	-387,816	-278,102	-113,154	9,851959	89,62098	113,6872	148,249	145,3228	161,3982	189,5891
7	4,838976	-326,067	-643,216	-515,483	-262,074	-72,9516	29,27358	88,71262	131,2072	143,0662	190,5647	200,8495
8	-5,1822	-331,074	-742,031	-615,038	-334,249	-122,131	-12,0741	65,27942	121,3106	145,7829	209,9031	200,2845
9	-42,9204	-420,434	-673,488	-553,843	-306,791	-139,029	-26,6886	46,3627	126,2383	171,6654	215,3033	274,6126
10	-128,208	-453,515	-434,775	-352,019	-226,177	-120,862	-28,2923	34,19391	105,4071	182,6399	220,1646	273,5572
11	-313,578	-238,115	-61,5252	-67,4645	-105,838	-89,9924	-33,7723	30,15049	108,2698	187,2362	232,8874	283,3751
12	-96,9883	231,325	344,4201	219,6038	42,58089	-44,3498	-25,4461	34,7674	115,0187	205,344	276,0863	343,8676
13	511,2636	666,1048	637,7836	428,924	167,9809	11,68259	-30,1654	47,83944	118,4592	195,6342	290,9086	335,6037
14	409,6641	739,3593	732,9473	503,3416	215,7026	37,77779	-0,49958	68,57097	141,8481	229,7258	309,8245	356,0064
15	-80,5988	440,0593	593,9713	425,5899	182,2795	47,70848	37,12829	95,72901	168,8945	242,7165	326,6048	400,1802
16	-120,215	44,44106	271,9539	222,9457	98,4164	60,69996	78,35026	127,767	176,5813	275,6698	311,6092	388,957
17	-55,9835	-216,881	-107,218	-41,7401	7,065109	57,58219	118,7634	162,9049	227,6605	299,695	348,231	417,8678
18	-43,8064	-324,94	-423,863	-289,149	-91,5583	51,26564	142,8828	199,1731	271,8956	304,6779	380,279	433,2678

Lanjutan Lampiran 6

u	s											
	1	2	3	4	5	6	7	8	9	10	11	12
19	-50,1386	-360,828	-606,479	-446,089	-150,479	69,59122	178,3182	234,4424	287,5137	331,678	382,1362	421,8836
20	-110,521	-371,454	-634,132	-464,845	-126,11	103,8538	210,6546	266,4729	320,3618	346,7744	408,4787	452,3303
21	-42,9566	-346,196	-498,963	-334,773	-32,0593	165,5208	258,8401	293,0083	331,6556	371,0866	411,4282	440,3837
22	-43,6014	-239,683	-229,424	-84,4348	96,81874	229,8907	294,166	311,9285	330,3124	362,2938	382,9447	426,3414
23	-192,13	-14,482	137,3298	225,3794	267,2764	288,4161	315,0345	321,4541	344,6627	361,445	398,7495	453,0257
24	121,1953	284,7381	494,1945	516,0793	417,1736	345,4244	317,1144	320,3721	339,3105	358,7875	380,8874	411,8349
25	286,2535	528,1749	761,6871	710,3981	510,5102	358,6682	292,4066	308,2386	313,8127	342,2792	386,4422	395,354
26	39,24646	613,94	862,4973	752,2248	502,7269	331,1872	273,9831	285,5091	294,7906	335,8699	371,1035	413,576
27	118,0857	530,1899	736,7379	622,2892	396,3536	272,5383	234,3229	253,5547	262,3431	293,1965	321,5805	348,4581
28	176,0049	305,5735	425,326	345,1514	232,3245	179,3294	188,0302	214,5432	230,0777	279,2047	293,7382	331,9868
29	-12,9839	-5,95768	-6,08583	-15,1724	20,74008	73,77891	131,6435	171,1942	214,7087	243,0182	258,9231	337,9924
30	-161,04	-304,518	-435,018	-370,56	-193,373	-38,6756	66,3758	126,4408	174,3013	202,2223	231,1757	252,8286
31	-140,16	-503,949	-761,795	-631,502	-346,964	-115,808	11,60191	83,05961	138,2027	185,9763	228,5184	239,4355
32	-60,589	-597,359	-905,632	-731,243	-396,828	-158,071	-29,7385	43,33456	119,9067	122,0702	191,1688	237,5824
33	-79,4703	-594,216	-798,473	-644,599	-366,79	-163,266	-41,3571	8,818292	70,60492	100,6731	140,5257	153,3007
34	-217,614	-432,267	-479,047	-395,806	-255,621	-131,452	-59,82	-19,7671	21,48099	55,87505	75,09039	135,298
35	-241,979	-61,8409	-21,9477	-52,5581	-74,1932	-84,3506	-62,689	-42,4768	-12,4095	36,99048	55,68273	125,2143
36	273,7191	389,4576	427,879	292,5289	114,2164	-7,22932	-58,282	-59,9583	-45,849	-6,43899	50,37033	50,1352

Lanjutan Lampiran 6

u	s											
	1	2	3	4	5	6	7	8	9	10	11	12
37	404,7117	672,3583	740,3473	547,7149	242,8637	35,73562	-68,648	-73,182	-67,9371	-46,5781	11,47594	40,2242
38	-19,2953	661,496	848,4355	647,3183	313,1566	42,37948	-69,2871	-83,1523	-91,3651	-38,1583	-7,81905	29,85832
39	138,5084	436,1802	694,402	568,6909	261,2304	61,63988	-64,4164	-90,6645	-103,698	-90,321	-67,8838	-26,2048
40	68,77219	144,4774	386,5105	336,4793	153,6431	12,00873	-55,1552	-96,1575	-105,281	-76,5599	-71,8768	-29,4394
41	-152,374	-100,812	-1,5526	14,13803	-9,58611	-57,3351	-74,9713	-99,687	-96,2278	-96,494	-91,1121	-38,8016
42	-56,5168	-247,59	-374,122	-313,628	-183,314	-95,2925	-91,0389	-101,014	-108,055	-116,72	-93,3963	-75,4487
43	-40,1611	-324,286	-645,251	-562,254	-311,329	-150,892	-97,3616	-99,7748	-108,39	-75,8565	-67,1454	-72,3531
44	-24,5598	-406,159	-792,117	-667,694	-362,081	-169,395	-109,23	-95,6766	-84,2493	-131,778	-100,605	-77,2999
45	-64,0313	-510,301	-749,556	-602,046	-329,518	-160,25	-87,3078	-88,6704	-77,1533	-101,306	-90,8202	-87,2224
46	-149,723	-521,439	-506,015	-381,357	-225,736	-116,145	-61,3388	-79,0473	-87,2546	-80,7412	-98,2637	-89,5081
47	-302,531	-270,772	-101,536	-63,118	-67,9039	-45,8607	-50,8305	-67,4397	-84,2053	-96,938	-121,196	-93,0758
48	-113,48	236,4916	357,1066	267,5007	114,5408	-3,95132	-43,5557	-54,7282	-66,3164	-70,8306	-69,3505	-77,2977
49	527,4035	707,3752	710,1129	520,4439	250,7603	63,63411	-25,2745	-41,883	-66,9564	-91,191	-66,7502	-79,6206
50	434,9437	810,899	852,6288	626,5188	308,3701	102,0295	-10,4476	-29,7832	-62,9258	-66,5024	-57,3052	-82,8508
51	-88,7755	529,0641	738,1078	557,8395	276,2173	77,05229	-0,12639	-19,0634	-53,0798	-38,8439	-61,376	-49,9636
52	-66,1026	129,9627	404,2206	335,9399	162,627	68,37913	21,65676	-10,0258	-38,309	-36,1333	-79,8693	-51,7329
53	-26,2278	-153,549	-14,1681	24,95096	31,74882	25,36539	23,91391	-2,63711	-12,9428	-25,5893	-51,1419	-57,4063
54	-101,724	-288,483	-403,131	-287,43	-122,918	-34,063	3,068921	3,393954	6,488629	-17,9568	-19,6806	-14,7557

Lanjutan Lampiran 6

u	s											
	1	2	3	4	5	6	7	8	9	10	11	12
55	-43,1806	-361,116	-668,772	-514,785	-240,138	-59,1665	-12,7253	8,485664	11,98275	2,651632	17,33516	-25,4942
56	-6,2892	-447,335	-771,98	-595,409	-275,693	-77,0874	-1,99797	13,03822	28,25296	-2,81607	3,283665	-23,4152
57	-102,923	-519,26	-673,035	-508,441	-228,602	-60,0378	13,39334	17,31732	38,11358	14,74253	5,135815	13,93996
58	-225,321	-434,561	-382,756	-279,018	-137,192	-28,9664	22,71028	21,39781	21,3363	33,16546	3,11265	-1,98664
59	-242,954	-85,9353	32,43297	28,76471	12,72987	15,45312	30,91661	25,18026	17,19674	33,52737	7,447385	2,091637
60	159,1574	400,2426	441,0995	329,5323	170,5628	70,96288	28,78747	28,47045	34,74071	32,63552	54,28086	34,28753
61	509,0726	708,0627	716,3582	540,3557	281,0844	96,73714	19,65237	31,09249	25,08526	23,03329	38,90227	9,141901
62	178,5558	647,6709	782,9271	603,6985	304,8507	99,4244	19,47558	32,99555	35,12377	43,64548	46,45787	17,72034
63	-123,324	342,9025	627,1446	502,7328	240,2128	90,56772	34,44774	34,31531	30,95515	44,0729	35,84883	40,51069
64	-18,3643	47,27461	310,7679	264,8494	116,5014	44,8615	36,38677	35,36431	28,2289	54,98007	9,244678	9,801878
65	-27,5622	-118,968	-57,0851	-46,6758	-27,7623	-8,04425	28,02764	36,54619	55,53051	47,96677	27,10211	17,92957
66	-41,6151	-198,955	-401,86	-349,474	-177,047	-53,1423	10,1711	38,2125	55,47152	37,42424	40,56394	27,25614
67	-11,4568	-282,357	-654,632	-562,631	-285,514	-82,322	3,73472	40,49975	46,57994	54,05791	34,30531	-8,532
68	-52,4949	-418,104	-778,557	-626,687	-297,969	-79,9702	5,782752	43,19379	60,21659	31,39116	42,73803	0,693106
69	-72,8466	-562,12	-718,06	-519,437	-232,086	-55,4426	33,42103	45,66519	70,68687	24,10782	10,78805	-9,73395
70	-189,757	-552,762	-431,494	-263,935	-106,488	6,7222	65,62089	46,90363	33,2117	29,47225	-11,8679	-46,684
71	-353,368	-218,041	15,35574	74,7097	60,647	70,15138	63,04137	45,65525	28,67785	-1,0248	-46,4351	-42,0014
72	-28,7917	378,5956	501,1586	405,1004	246,0451	114,2385	64,33288	40,64069	8,03543	8,539745	-33,2033	-66,3234

Lanjutan Lampiran 6

u	s											
	1	2	3	4	5	6	7	8	9	10	11	12
73	666,0947	862,884	837,1879	635,0774	363,9812	173,265	57,37094	30,80967	-9,86293	-55,5618	-34,0242	-96,3975
74	412,1781	884,8007	926,4174	699,3855	387,1601	170,6599	54,52529	15,57714	-32,338	-55,5711	-69,6411	-102,342
75	-147,846	489,8177	733,504	579,7485	319,293	123,1366	32,73528	-5,01226	-55,8587	-64,1901	-105,229	-126,24
76	-71,119	19,03442	328,2966	309,9685	166,1875	87,43882	16,89263	-30,2291	-77,9125	-94,716	-155,718	-150,418
77	-91,2934	-271,288	-119,109	-35,3559	0,043761	-6,36958	-8,85078	-58,7266	-80,9006	-104,63	-154,91	-165,897
78	-105,331	-365,648	-495,982	-363,621	-187,519	-96,1413	-74,1804	-88,717	-94,7535	-153,941	-164,745	-189,492
79	-27,4244	-377,293	-723,982	-590,309	-319,208	-153,608	-118,161	-118,218	-138,833	-160,979	-161,975	-200,897
80	-28,9212	-403,647	-781,464	-660,746	-373,171	-203,671	-146,713	-145,321	-151,543	-174,898	-189,587	-219,01
81	-60,2779	-441,163	-659,486	-562,788	-342,121	-203,908	-158,478	-168,419	-175,128	-214,783	-223,441	-233,82
82	-185,756	-380,056	-378,766	-328,682	-258,704	-202,746	-173,426	-186,369	-191,836	-212,782	-248,503	-237,265
83	-202,517	-116,46	22,3994	-26,2631	-109,192	-165,583	-173,01	-198,552	-216,566	-217,28	-240,493	-250,576
84	145,5124	296,9637	409,9729	258,8739	20,87692	-102,061	-183,491	-204,839	-225,718	-249,57	-244,911	-252,837
85	225,7001	642,1925	688,7012	446,5997	129,8468	-102,258	-192,204	-205,491	-237,688	-234,047	-231,261	-239,113
86	273,8868	704,3112	740,0655	485,0152	153,6531	-69,8676	-174,804	-201,024	-232,169	-246,438	-236,708	-243,922
87	209,1244	450,4176	546,4258	365,7845	102,2809	-54,9601	-154,804	-192,077	-230,029	-245,855	-238,502	-225,705
88	-151,414	52,10274	196,996	126,6465	3,773144	-99,2897	-134,637	-179,317	-225,731	-187,62	-234,151	-197,678
89	-156,85	-271,252	-220,043	-160,09	-123,135	-101,705	-127,821	-163,381	-178,028	-217,178	-223,329	-194,049
90	-58,0924	-429,952	-548,233	-409,28	-218,207	-126,085	-109,242	-144,864	-155,317	-177,249	-159,235	-156,257

Lanjutan Lampiran 6

u	s											
	1	2	3	4	5	6	7	8	9	10	11	12
91	-39,7415	-467,679	-715,11	-547,729	-274,991	-128,667	-101,971	-124,328	-131,839	-137,034	-125,344	-116,465
92	-134,605	-434,422	-690,922	-534,485	-257,426	-97,629	-90,5054	-102,299	-104,767	-138,306	-104,455	-96,249
93	-144,807	-331,543	-485,141	-371,287	-167,674	-79,5972	-53,2791	-79,2514	-81,2325	-68,7626	-65,5416	-47,9118
94	76,99041	-152,754	-156,534	-101,222	-33,2517	-5,21666	-21,5167	-55,5481	-66,8209	-54,0383	-50,6303	-8,09794
95	-54,1978	95,37828	224,5259	203,2597	111,3871	39,7146	-8,26184	-31,3667	-27,7742	-23,8574	2,83737	28,69606
96	-62,809	376,9328	565,0057	459,5289	240,238	54,88137	-2,00708	-6,62563	0,580862	48,97983	70,9379	84,78743
97	344,2952	582,9632	744,4809	596,3584	289,6594	101,7248	4,962432	19,05095	26,3828	57,74583	104,1229	123,7312
98	203,3646	583,0397	740,8409	572,6396	272,9503	73,44137	15,21034	46,29919	75,84022	114,7298	156,9941	169,7936
99	27,96805	365,404	530,859	388,6358	154,2073	27,37124	28,25264	75,8934	120,3167	163,2388	186,3105	219,9264
100	17,60792	61,46565	175,4103	87,01732	-9,02269	4,67971	48,60048	108,5409	153,9537	194,604	214,8045	258,235
101	-154,59	-182,624	-229,221	-256,549	-167,369	-54,1296	74,60416	144,6242	200,4792	266,2441	269,622	304,0278
102	-62,8607	-326,578	-600,26	-551,114	-299,622	-63,0495	87,47145	183,9418	255,2852	290,8603	319,3356	333,4512
103	9,108765	-435,27	-846,297	-712,696	-345,976	-47,7044	124,1878	225,5122	295,5472	323,7942	375,206	364,5729
104	-87,0732	-561,784	-899,952	-686,429	-279,98	8,504707	183,3221	267,4992	347,3723	354,7555	394,3699	405,0604
105	-140,248	-629,501	-716,413	-463,457	-131,222	119,0145	246,0038	307,2984	366,2771	385,4986	407,6524	406,2893
106	-305,375	-464,369	-297,308	-87,463	93,92055	219,3226	304,4178	341,7932	374,7468	411,9869	405,5435	413,5783
107	-183,381	7,292873	263,8226	352,8547	350,7263	341,1347	358,793	367,7499	398,7308	421,496	419,5175	442,6497
108	323,0436	602,9943	803,4833	745,5158	569,6939	448,5409	383,8813	382,2884	393,6448	402,3009	433,3817	410,9348

Lanjutan Lampiran 6

<i>u</i>	<i>s</i>											
	1	2	3	4	5	6	7	8	9	10	11	12
109	400,1938	992,9742	1151,354	986,1939	702,0601	474,7499	374,0565	383,3428	372,8195	410,7896	420,038	400,1852
110	211,7744	970,9189	1182,684	1008,868	702,4117	477,9356	369,9534	370,0217	366,8619	396,0972	413,1767	410,5904
111	216,5688	585,4415	884,7138	805,6292	570,3241	418,2808	348,7109	342,7919	338,5385	355,2457	365,1822	349,6165
112	-33,9155	66,90881	383,148	428,6742	352,2901	293,4007	297,9274	303,4446	316,994	355,4921	312,22	319,6343
113	-286,525	-328,276	-171,255	-25,7739	86,67829	163,5764	219,5384	254,8426	294,5774	292,7042	286,3487	307,6311
114	-138,656	-484,131	-625,477	-445,356	-180,536	24,99892	143,8632	200,4936	238,1809	245,6933	246,1484	219,2435
115	13,13834	-490,532	-894,34	-731,811	-372,222	-92,3143	64,48523	144,0273	191,5045	205,7916	211,2017	174,0137
116	-23,6506	-503,474	-952,434	-824,917	-453,912	-168,286	-3,04732	88,67478	156,4123	115,9358	157,4057	146,4749
117	-93,4798	-533,054	-784,398	-714,856	-435,324	-191,313	-25,7596	36,84387	78,53085	95,22455	71,14563	41,97998
118	-246,54	-416,036	-438,078	-441,495	-327,665	-161,332	-54,5576	-10,1344	10,32413	21,07745	-15,7207	-12,3049
119	-291,451	-42,2713	7,131135	-81,947	-131,633	-125,435	-82,0261	-52,0524	-42,6926	-49,8748	-70,2453	-57,0119
120	316,9848	421,2248	423,9719	270,1273	73,19384	-52,108	-88,3089	-89,6695	-96,3002	-108,495	-105,598	-150,044
121	546,8359	658,9682	707,3534	528,3573	225,261	24,30513	-91,1982	-124,397	-160,508	-198,508	-169,762	-210,348
122	-89,2005	573,0427	796,0639	634,5974	306,4668	34,77138	-105,822	-157,897	-218,323	-222,087	-258,273	-254,582
123	-132	346,4722	659,0492	571,5726	285,3975	43,82063	-112,306	-191,672	-269,566	-283,627	-332,12	-325,957
124	202,7531	143,6537	371,4235	364,3476	190,6109	27,62486	-110,594	-226,723	-309,37	-351,801	-377,401	-374,338
125	26,25594	-32,4335	28,21621	71,247	42,092	-56,3749	-151,13	-263,332	-330,645	-386,506	-423,978	-417,899
126	-146,651	-197,427	-296,897	-232,27	-133,209	-129,39	-211,066	-300,979	-375,427	-436,455	-453,285	-454,442

Lanjutan Lampiran 6

u	s											
	1	2	3	4	5	6	7	8	9	10	11	12
127	-75,4968	-315,535	-546,611	-472,175	-280,747	-193,869	-253,387	-338,4	-412,037	-447,398	-468,505	-486,895
128	-42,4222	-378,374	-676,28	-592,818	-358,414	-260,156	-289,881	-373,739	-427,162	-490,884	-509,303	-512,175
129	-40,8659	-412,519	-657,02	-569,4	-381,155	-302,818	-333,172	-404,76	-447,273	-519,22	-512,163	-510,486
130	-100,639	-392,431	-470,236	-413,878	-336,233	-322,124	-353,113	-429,077	-480,51	-499,069	-523,306	-517,9
131	-170,318	-227,588	-156,691	-172,8	-243,256	-306,402	-372,86	-444,359	-492,72	-505,524	-533,302	-523,152
132	-93,8458	111,5346	204,2179	83,50115	-133,65	-304,501	-404,293	-448,509	-479,736	-503,047	-492,432	-483,444
133	209,1796	475,1144	497,9186	278,868	-54,2629	-309,928	-415,351	-439,809	-470,034	-463,193	-462,22	-459,257
134	380,6592	621,2324	628,5618	352,3511	-32,0684	-279,344	-400,714	-417,044	-435,244	-443,057	-409,94	-437,508
135	125,8275	460,5947	551,3934	276,4205	-85,0552	-287,124	-368,767	-379,632	-398,547	-385,996	-386,894	-370,935
136	-150,115	149,5077	287,393	66,71092	-178,37	-309,65	-331,605	-327,736	-331,603	-310,817	-363,502	-319,933
137	-79,115	-102,535	-92,0811	-219,964	-283,895	-284,142	-266,302	-262,383	-251,297	-270,849	-287,215	-277,789
138	20,02599	-245,296	-479,961	-499,203	-369,921	-257,572	-202,101	-185,545	-176,973	-181,346	-181,32	-188,82
139	-46,33	-367,942	-774,35	-681,071	-402,464	-209,601	-130,087	-100,149	-95,9259	-94,3679	-99,9639	-137,548
140	-68,5475	-537,71	-911,529	-695,452	-330,848	-106,291	-32,0607	-9,99444	3,759717	-61,5538	-39,1485	-66,7261
141	-102,53	-685,298	-804,655	-514,389	-168,588	14,49331	93,53862	80,45179	86,24336	51,2759	19,0271	17,21459
142	-274,771	-609,668	-429,823	-164,763	47,39072	164,75	200,6909	166,3855	135,4727	121,2747	68,07477	59,47144
143	-381,181	-153,744	134,0937	274,0975	296,1803	294,5081	272,3592	243,0863	210,7422	176,1276	143,1251	145,5836
144	150,7179	538,1901	730,5102	689,6313	541,0791	404,7858	349,3962	306,3828	264,5839	256,7912	241,6868	213,7885

Lanjutan Lampiran 6

u	s											
	1	2	3	4	5	6	7	8	9	10	11	12
145	762,3362	1041,053	1141,308	968,0056	690,4515	505,6281	380,4085	353,0919	302,7497	255,9588	273,0356	240,2938
146	240,731	1052,746	1251,685	1029,086	713,3243	497,7737	399,2856	381,3614	341,2736	329,6499	324,6745	333,9054
147	-104,393	666,3213	1000,242	852,2914	604,5181	453,2988	404,3806	390,8565	352,1268	373,6651	344,0218	379,2221
148	149,8858	168,4575	476,2356	483,9733	401,2488	403,0318	394,6947	382,7589	368,7181	375,2446	370,0792	388,1837
149	-93,8294	-245,627	-121,687	23,83119	172,6355	264,6824	348,7209	359,5822	384,8022	404,9135	420,013	474,0536
150	-233,768	-504,084	-643,936	-404,599	-77,8506	145,3471	261,7949	324,8389	380,6817	396,503	442,6243	496,8728
151	-109,899	-611,96	-960,143	-689,458	-253,23	61,23676	205,7601	282,6236	345,3326	391,2859	470,5638	498,835
152	-57,4114	-633,88	-1020,03	-761,433	-317,395	-22,4554	140,5361	237,1863	338,1405	408,1229	500,2369	573,7167
153	-62,5445	-598,657	-800,694	-611,777	-283,951	-46,8452	104,5784	192,5653	305,0533	385,8908	482,4891	569,8662
154	-228,228	-408,111	-358,2	-293,294	-178,698	-47,9785	65,4638	152,3259	264,5169	375,5931	478,9234	574,9405
155	-275,887	41,59064	200,4385	95,64892	-6,42333	-33,2222	29,68821	119,4235	237,9531	400,7043	489,5482	630,828
156	257,1465	615,2152	679,183	439,7259	149,4958	9,109105	-8,83832	96,17303	211,7341	366,8883	507,625	618,392
157	545,117	946,0588	941,3685	639,852	251,7803	9,836883	-33,6453	84,28453	229,4614	360,1566	545,9169	633,0026
158	307,203	791,1502	908,6774	641,0869	246,2291	9,203588	-16,2522	84,91092	226,8625	394,8542	543,8092	661,9194
159	-44,6025	305,2251	593,7803	446,7747	151,9335	0,164083	-21,6312	98,65911	230,3695	380,6091	521,1725	649,5374
160	-332,482	-134,464	141,2926	115,1701	-3,46369	-48,6084	21,85851	125,5354	258,2722	456,6931	533,4915	676,6727
161	-61,9945	-328,081	-335,607	-259,111	-168,304	-73,1521	45,02558	164,8252	318,9102	430,2121	561,853	672,2191
162	121,1867	-379,153	-695,705	-571,932	-302,246	-83,2854	82,16868	214,9388	354,0837	459,5971	585,4741	660,6485

Lanjutan Lampiran 6

u	s											
	1	2	3	4	5	6	7	8	9	10	11	12
163	-85,8315	-450,906	-881,911	-736,687	-351,034	-60,9712	135,6798	273,2758	394,5961	512,4714	614,5356	690,7542
164	-175,223	-538,343	-872,711	-705,22	-314,693	15,60267	203,7491	336,174	443,0528	504,4965	588,8383	652,2603
165	-190,579	-520,503	-648,805	-478,916	-151,481	120,0217	310,8332	398,9967	474,8322	539,0401	590,1022	636,7649
166	-59,8716	-321,501	-253,125	-108,328	77,11839	258,1359	390,8941	456,3914	527,0527	535,163	579,1136	651,9616
167	-21,3295	43,85734	268,8098	318,9054	344,3622	415,82	481,3385	502,7158	521,6898	547,5523	572,9099	577,3002
168	29,05555	492,3894	745,959	700,098	581,8542	536,1271	516,5269	532,5888	525,5124	530,2645	529,9863	549,9666
169	187,7633	852,4785	1052,16	944,8028	763,3461	621,8116	556,1027	541,4956	509,0948	514,3704	516,4738	543,4987
170	512,1097	900,8133	1067,757	999,6435	819,9577	670,7105	567,8204	526,3518	477,3119	455,155	467,5395	440,3716
171	239,0443	561,7921	814,9871	862,3544	753,215	628,1853	537,8495	485,9372	436,0656	417,0931	404,81	395,0902
172	-276,699	46,93379	401,6109	579,7671	596,8279	532,4139	479,5335	421,1227	372,562	379,6654	338,5841	360,2302
173	-160,986	-325,438	-55,5445	230,4975	364,1231	400,8869	368,6423	334,8497	309,1691	272,4247	237,2007	242,5213
174	-104,086	-426,286	-376,782	-100,859	130,868	219,3701	254,1976	231,86	225,741	221,519	197,6789	180,844
175	-20,8359	-357,053	-541,379	-348,278	-107,659	38,18664	93,14752	118,2141	143,4428	97,32644	125,9522	123,3645
176	-1,95557	-261,054	-525,093	-479,35	-283,265	-124,589	-37,3252	0,66925	14,876	15,84481	24,53449	11,9719
177	-56,3121	-179,884	-405,999	-497,35	-402,103	-263,282	-163,296	-113,994	-85,3013	-58,2259	-65,426	-61,782
178	-77,0908	-77,6638	-240,277	-432,185	-443,587	-362,722	-278,415	-219,605	-184,422	-182,528	-175,825	-138,534
179	-5,01306	49,86958	-86,7801	-325,56	-442,483	-429,547	-360,874	-311,12	-272,417	-237,575	-231,834	-223,957
180	146,6642	133,4487	14,02667	-216,393	-392,584	-443,938	-429,38	-384,967	-348,127	-334,705	-292,386	-296,122

Lampiran 7 Amplitudo Puncak dan Frekuensi Hasil Transformasi Wavelet

Puncak Amplitudo	Frekuensi
666,5749516	0,333333333
905,108297	0,5
735,9147849	0,333333333
420,5726738	0,333333333
255,1009382	0,5
387,8163289	0,333333333
643,2163687	0,333333333
742,0307619	0,333333333
673,4884946	0,333333333
453,5150318	0,5
313,5780115	1
344,4201389	0,333333333
666,1048023	0,5
739,3593206	0,5
593,971268	0,333333333
388,9570425	0,083333333
417,8678457	0,083333333
433,2677792	0,083333333
606,4788802	0,333333333
634,1321789	0,333333333
498,962562	0,333333333
426,3413714	0,083333333
453,0256674	0,083333333
516,0792893	0,25
761,6870968	0,333333333
862,497267	0,333333333
736,7378657	0,333333333
425,326023	0,333333333
337,9924339	0,083333333
435,0182038	0,333333333
761,7948366	0,333333333
905,6315822	0,333333333
798,473296	0,333333333
479,0472906	0,333333333
241,9788772	1

Lanjutan Lampiran 7

Puncak Amplitudo	Frekuensi
427,8789887	0,333333333
740,3473216	0,333333333
848,4354596	0,333333333
694,401982	0,333333333
386,5104689	0,333333333
152,3737959	1
374,1221685	0,333333333
645,2513976	0,333333333
792,116657	0,333333333
749,5555313	0,333333333
521,4385437	0,5
302,5305027	1
357,1065983	0,333333333
710,1129122	0,333333333
852,6287716	0,333333333
738,1078227	0,333333333
404,2205924	0,333333333
153,5489295	0,5
403,1308963	0,333333333
668,7718785	0,333333333
771,9799524	0,333333333
673,0346931	0,333333333
434,5610364	0,5
242,9536178	1
441,0995006	0,333333333
716,3582268	0,333333333
782,9271371	0,333333333
627,1446128	0,333333333
310,7678686	0,333333333
118,9677273	0,5
401,8596442	0,333333333
654,6322178	0,333333333
778,5573444	0,333333333
718,0600914	0,333333333
552,7623346	0,5

Lanjutan Lampiran 7

Puncak Amplitudo	Frekuensi
353,367562	1
501,1586239	0,333333333
862,88398	0,5
926,4173545	0,333333333
733,5040126	0,333333333
328,2966294	0,333333333
271,2877285	0,5
495,9822832	0,333333333
723,9822501	0,333333333
781,4635576	0,333333333
659,4859148	0,333333333
380,0555471	0,5
250,5757382	0,083333333
409,9729366	0,333333333
688,7011607	0,333333333
740,0654683	0,333333333
546,4258482	0,333333333
234,1506745	0,090909091
271,2524837	0,5
548,2334275	0,333333333
715,1104042	0,333333333
690,922192	0,333333333
485,1406621	0,333333333
156,5340846	0,333333333
224,5259416	0,333333333
565,0056532	0,333333333
744,4809098	0,333333333
740,8409191	0,333333333
530,859017	0,333333333
258,2349517	0,083333333
304,0278014	0,083333333
600,2603834	0,333333333
846,2972304	0,333333333
899,9518799	0,333333333
716,4133383	0,333333333

Lanjutan Lampiran 7

Puncak Amplitudo	Frekuensi
464,3686935	0,5
442,6496655	0,083333333
803,4832913	0,333333333
1151,353506	0,333333333
1182,683508	0,333333333
884,713786	0,333333333
428,6741958	0,25
328,2762669	0,5
625,477284	0,333333333
894,3403753	0,333333333
952,4339853	0,333333333
784,3981181	0,333333333
441,4946459	0,25
291,4508291	1
423,9718875	0,333333333
707,3533855	0,333333333
796,0638747	0,333333333
659,0492087	0,333333333
377,4009415	0,090909091
423,978076	0,090909091
454,4423133	0,083333333
546,6105339	0,333333333
676,2797386	0,333333333
657,0195925	0,333333333
523,3059891	0,090909091
533,3015347	0,090909091
503,0466144	0,1
497,9186259	0,333333333
628,5617532	0,333333333
551,393442	0,333333333
363,5021615	0,090909091
287,2153335	0,090909091
499,2028548	0,25
774,3499606	0,333333333
911,528513	0,333333333

Lanjutan Lampiran 7

Puncak Amplitudo	Frekuensi
804,6546103	0,333333333
609,6678149	0,5
381,181479	1
730,5101661	0,333333333
1141,307847	0,333333333
1251,684687	0,333333333
1000,242224	0,333333333
483,9733245	0,25
474,0536371	0,083333333
643,9364848	0,333333333
960,1433249	0,333333333
1020,032577	0,333333333
800,6944897	0,333333333
574,9404878	0,083333333
630,8279954	0,083333333
679,1830008	0,333333333
946,0587638	0,5
908,6774103	0,333333333
649,5373925	0,083333333
676,6726728	0,083333333
672,219102	0,083333333
695,7045404	0,333333333
881,9105832	0,333333333
872,710516	0,333333333
648,8050528	0,333333333
651,961631	0,083333333
577,3002307	0,083333333
745,9590427	0,333333333
1052,160373	0,333333333
1067,756878	0,333333333
862,3544162	0,25
596,8278812	0,2
400,8869109	0,166666667
426,2855349	0,5
541,3787229	0,333333333

Lanjutan Lampiran 7

Puncak Amplitudo	Frekuensi
525,0926843	0,333333333
497,3499257	0,25
443,5866382	0,2
442,4828432	0,2
443,9380666	0,166666667