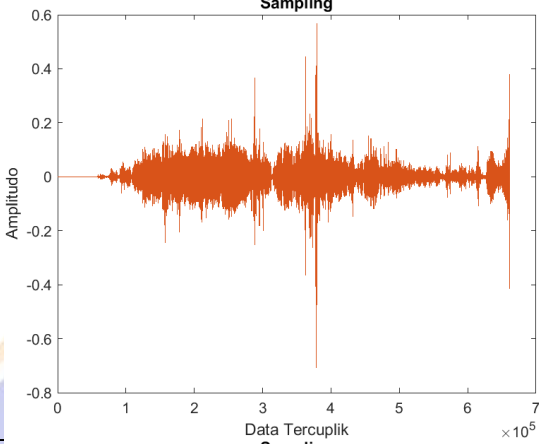
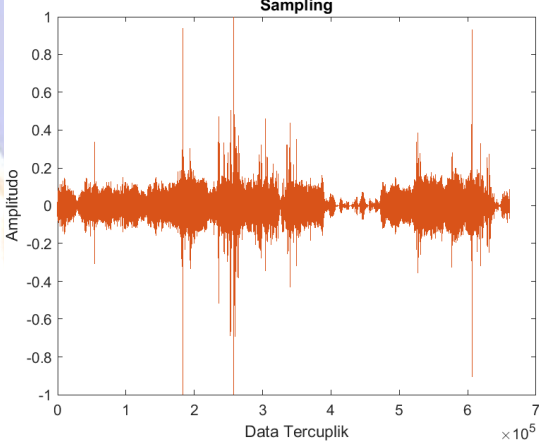


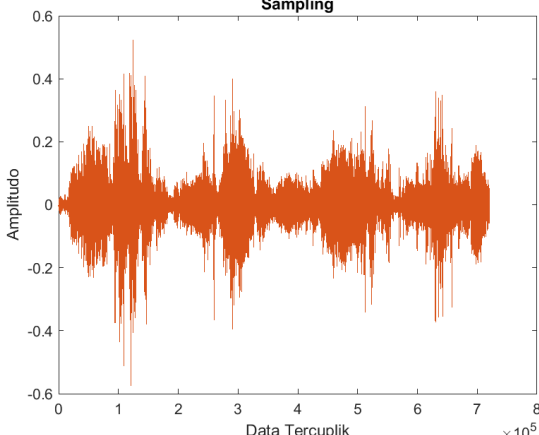
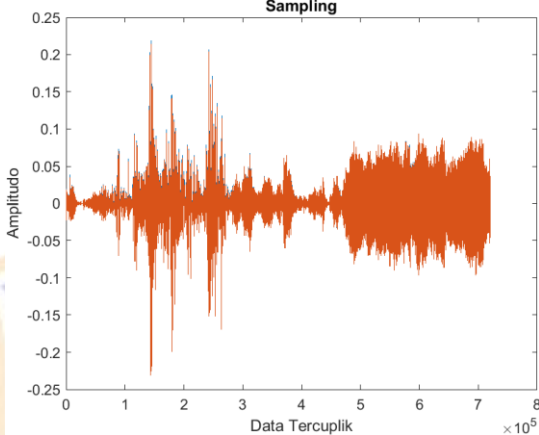
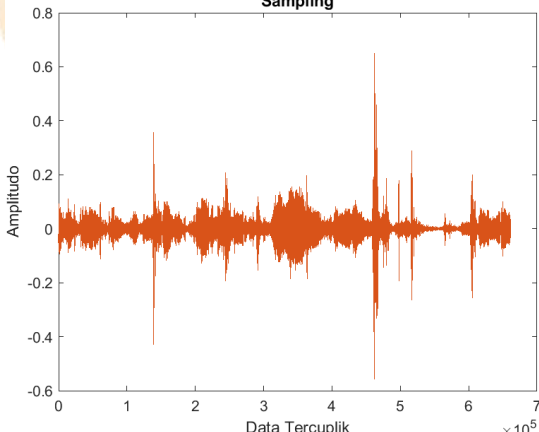


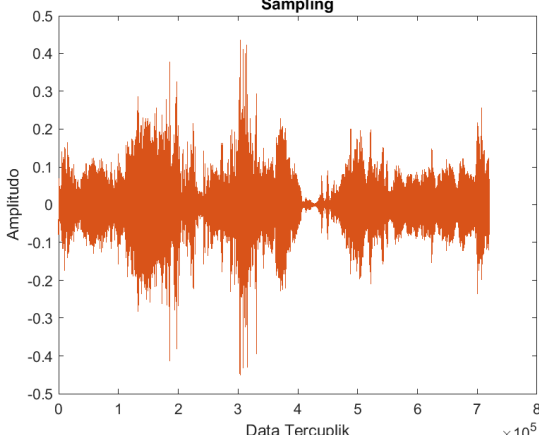
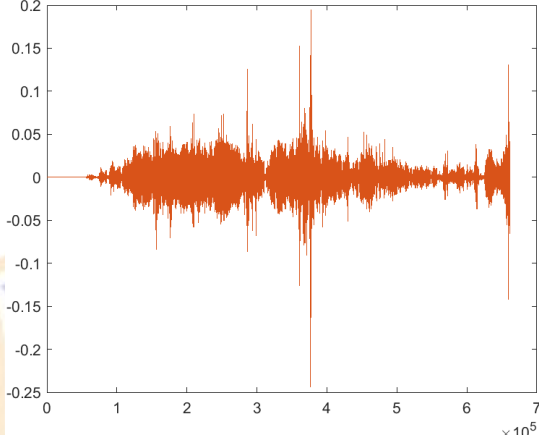
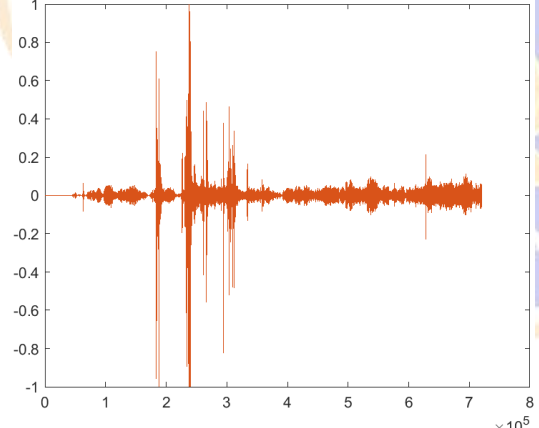
**LAMPIRAN**

# PEMROSESAN SINYAL BUNYI SUNARI

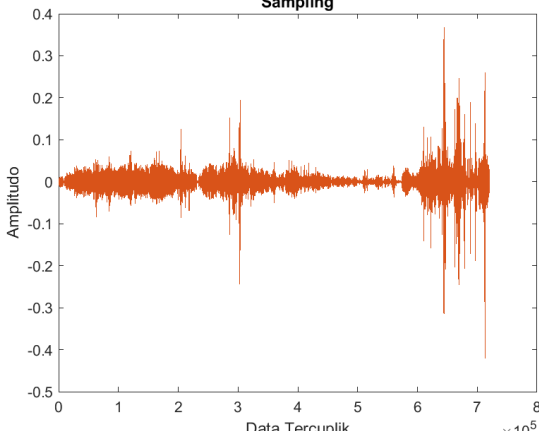
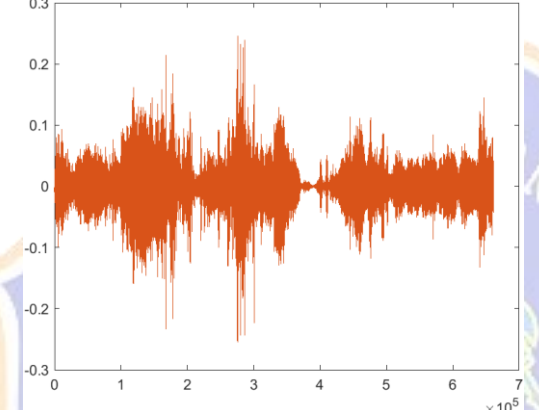
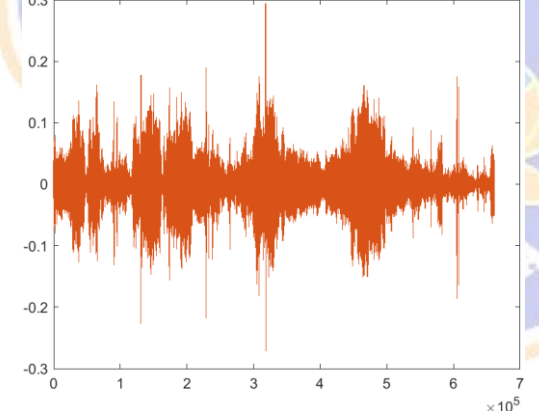
Lampiran 1 Frekuensi *Original Audio Signal*

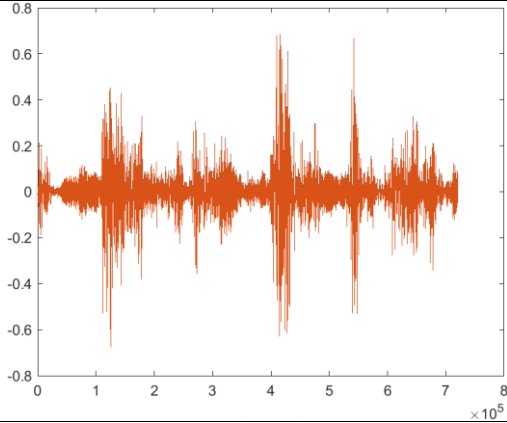
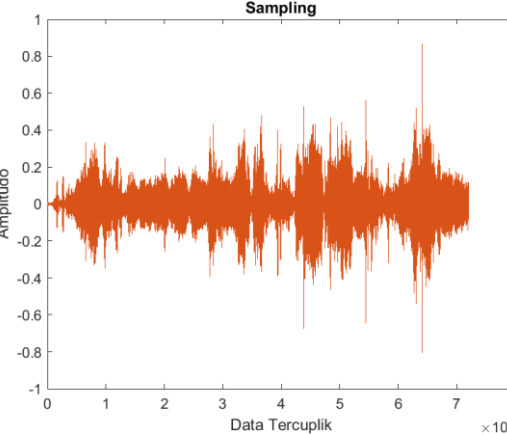
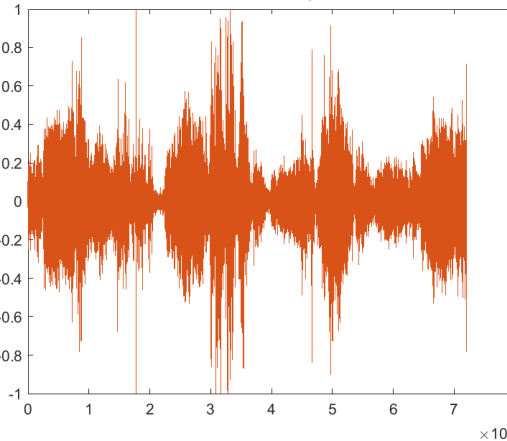
Nama File	<i>Original Auido Signal</i>	
	<i>Audio Signal</i>	<i>Frekuensi (Hz)</i>
Suara 1		44100
Suara 2		44100

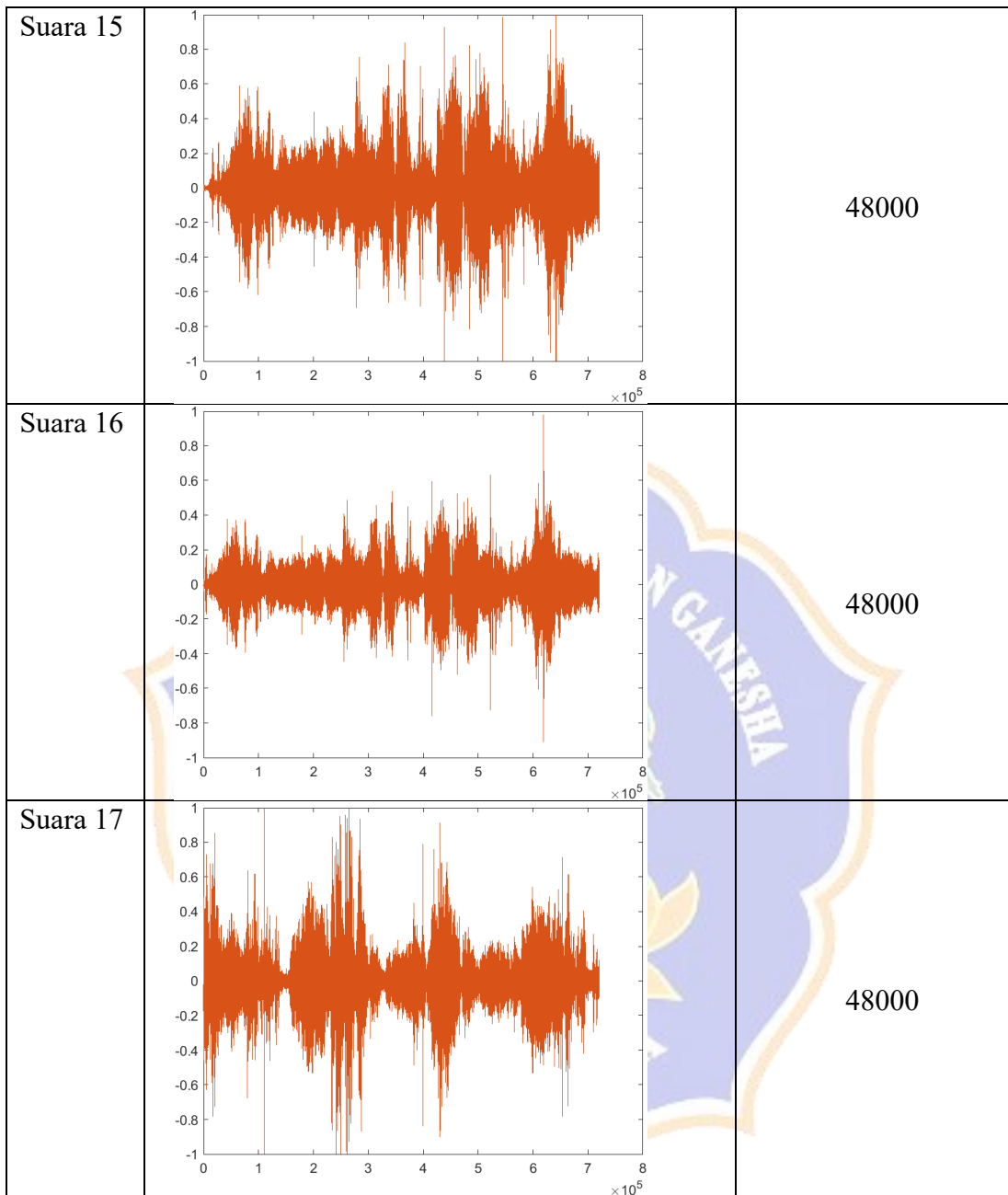
Suara 3		48000
Suara 4		48000
Suara 5		44100

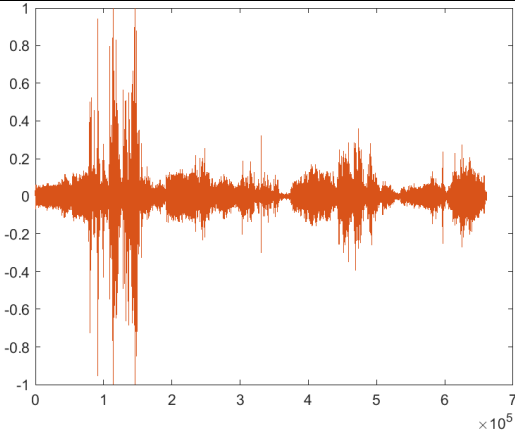
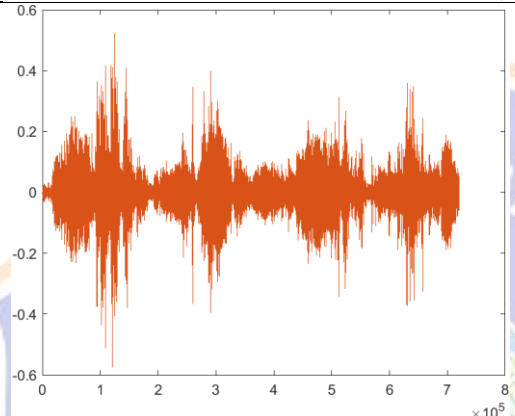
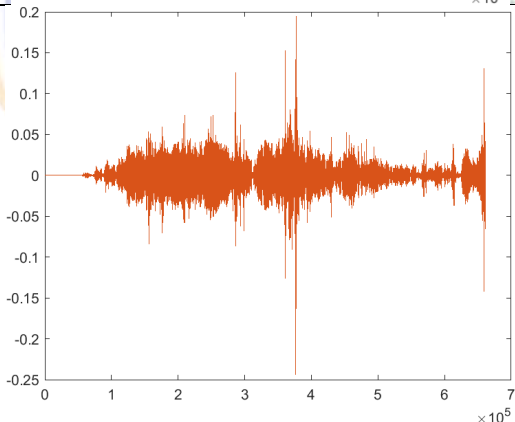
Suara 6		48000
Suara 7		44100
Suara 8		48000

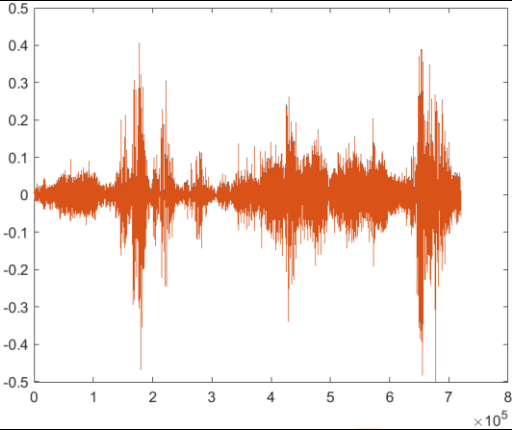
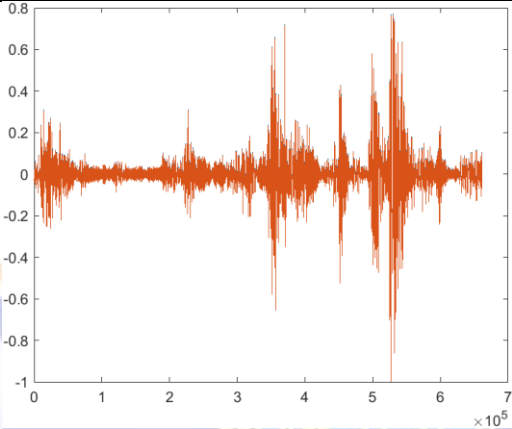
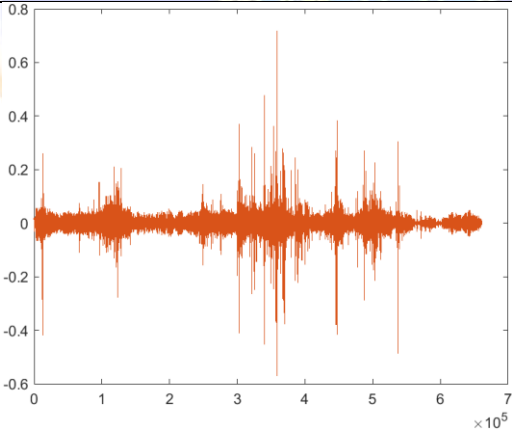


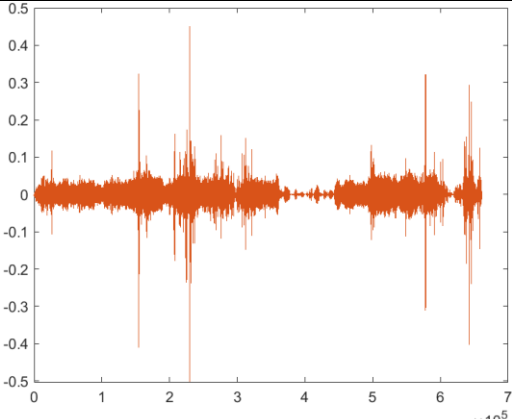
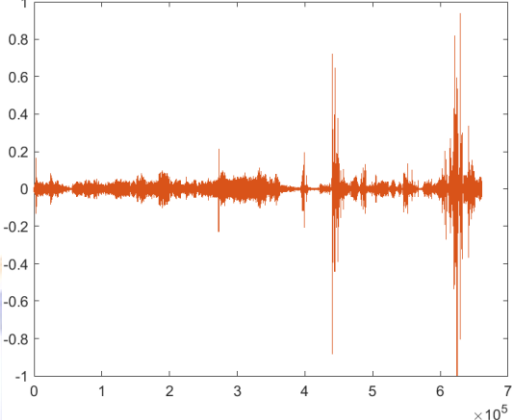
Suara 9		48000
Suara 10		48000
Suara 11		48000

Suara 12		48000
Suara 13		48000
Suara 14		48000

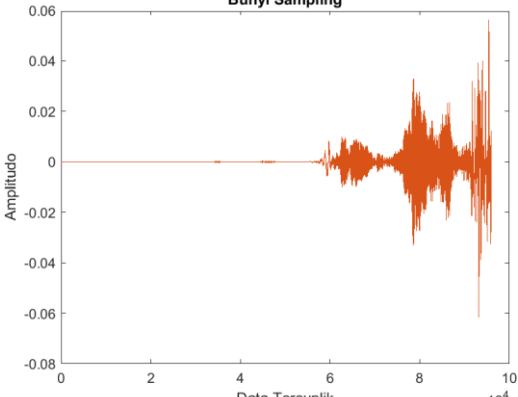


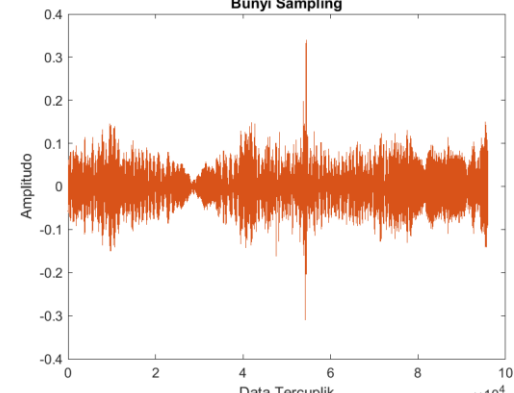
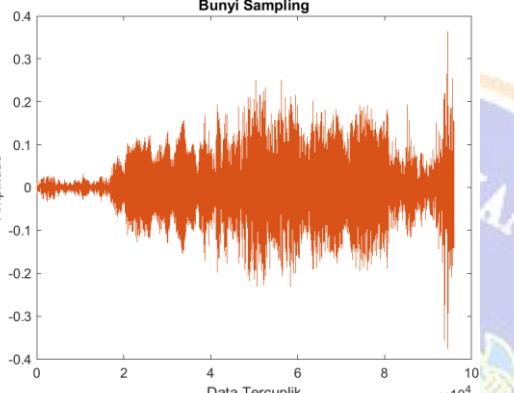
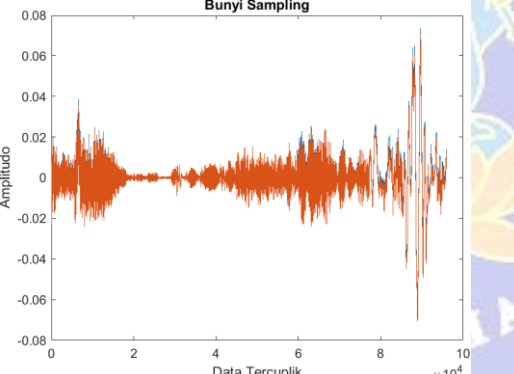
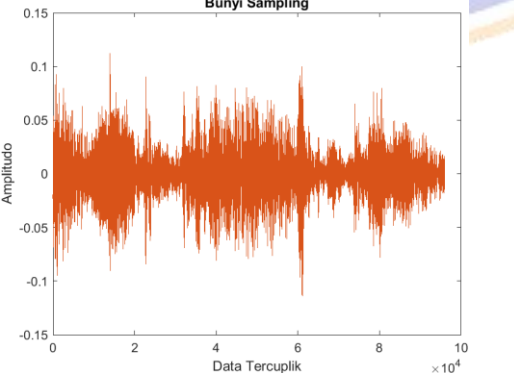
Suara 18		44100
Suara 19		48000
Suara 20		44100

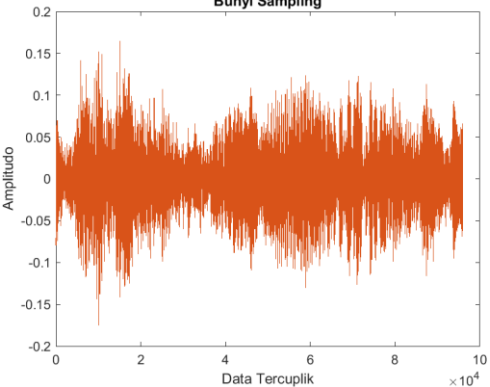
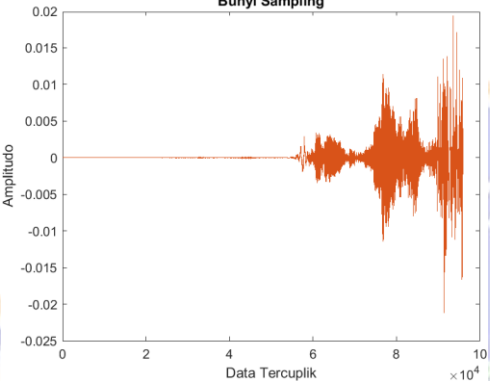
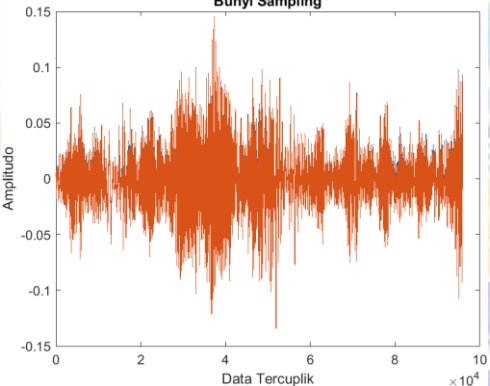
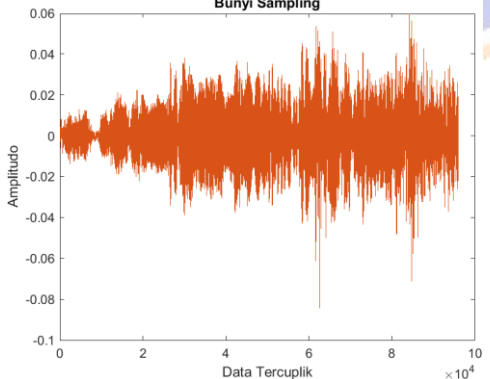
Suara 21		48000
Suara 22		44100
Suara 23		44100

Suara 24		44100
Suara 25		44100

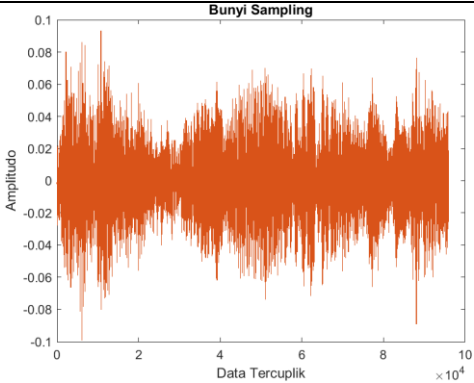
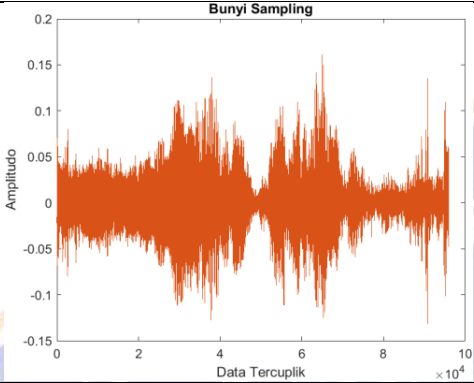
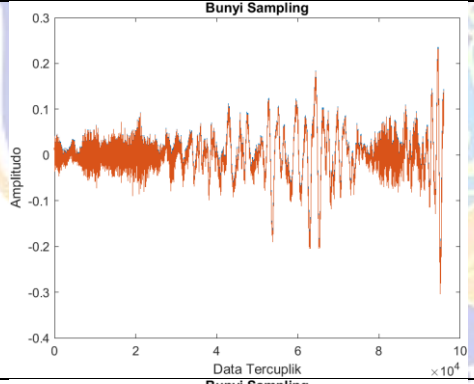
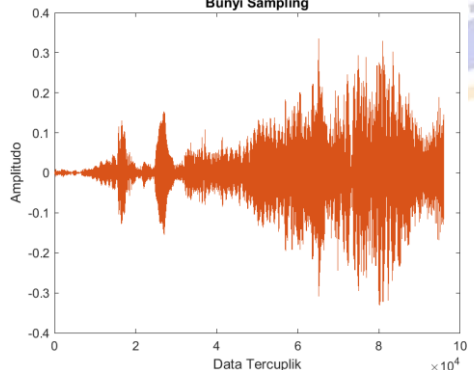
Lampiran 2 Frekuensi *Sampling 2fm*

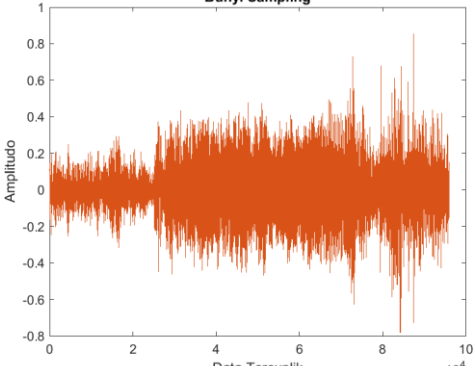
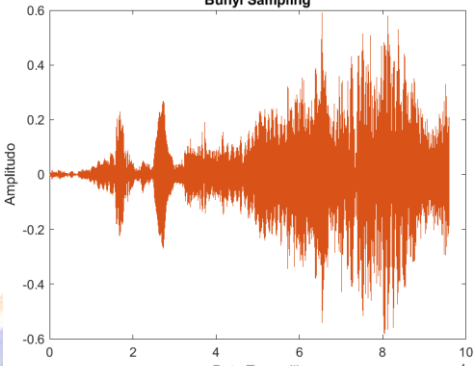
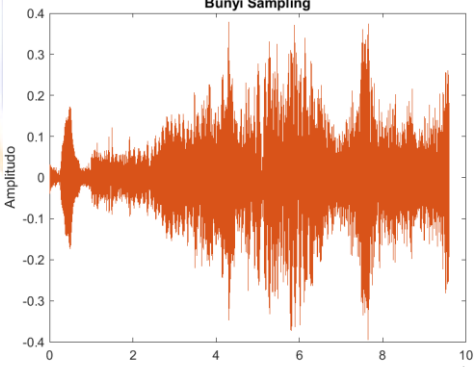
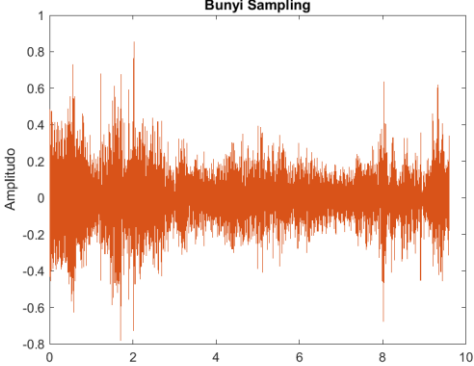
Nama File	<i>Auido Signal Sampling</i>	
	<i>Audio Signal</i> Bunyi Sampling	<i>Frekuensi (Hz)</i>
Suara 1		96000

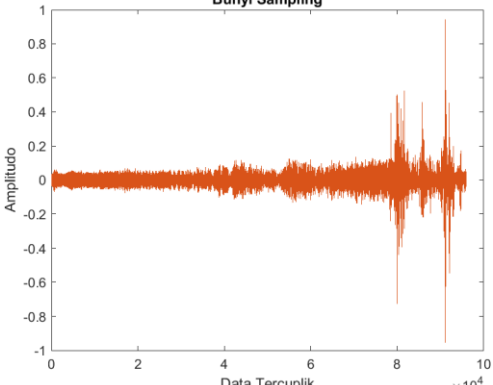
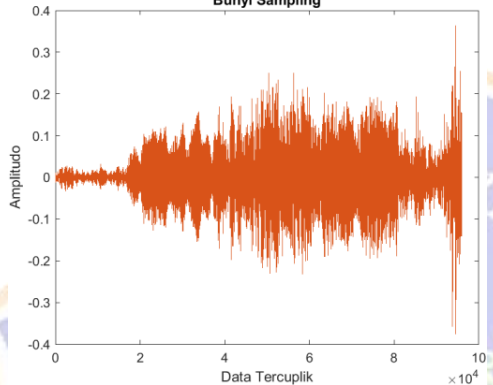
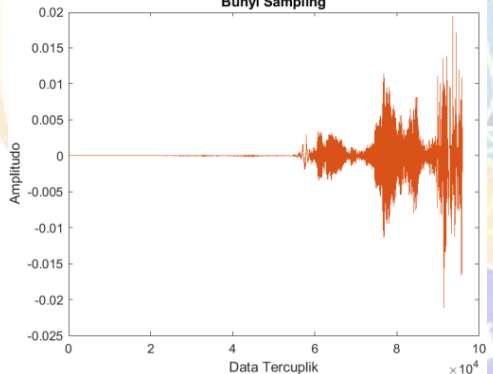
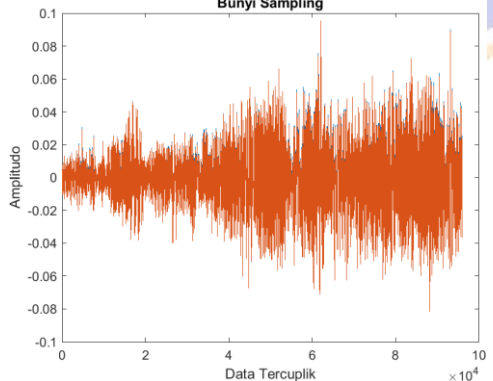
Suara 2		96000
Suara 3		96000
Suara 4		96000
Suara 5		96000

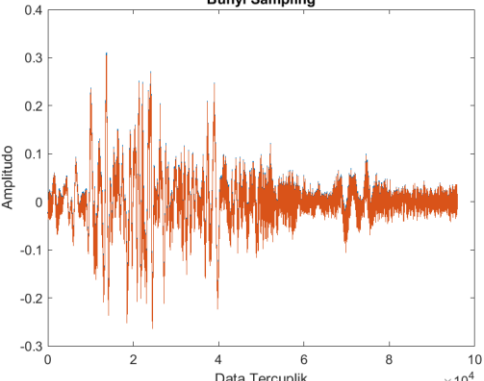
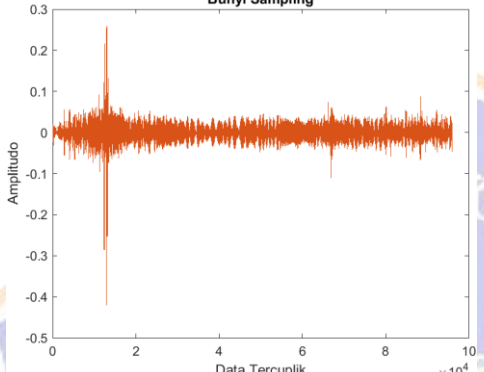
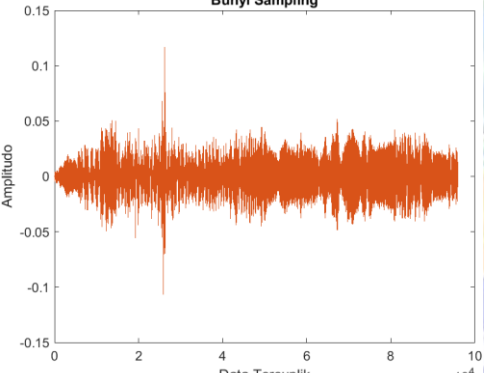
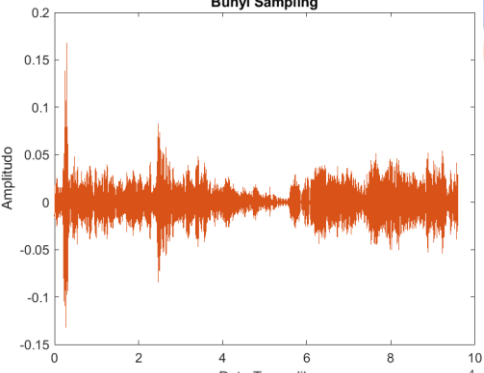
Suara 6		96000
Suara 7		96000
Suara 8		96000
Suara 9		96000



Suara 10		96000
Suara 11		96000
Suara 12		96000
Suara 13		96000

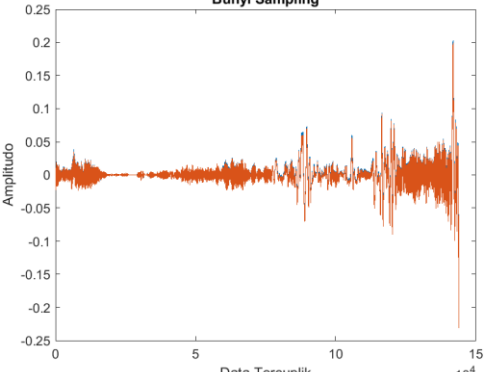
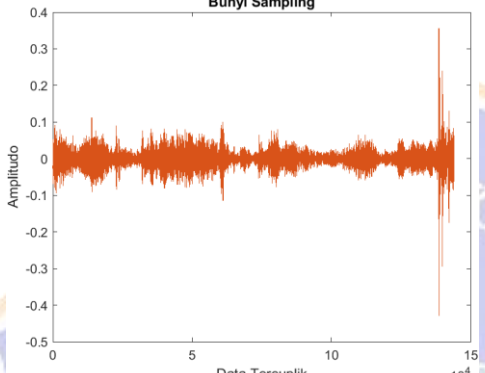
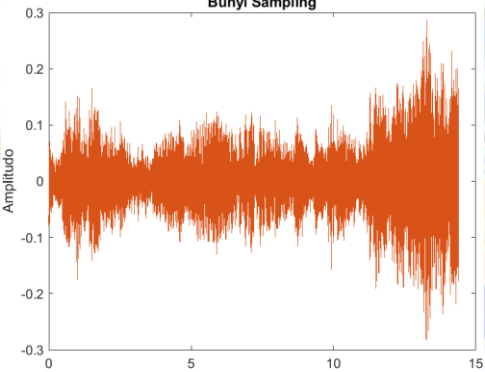
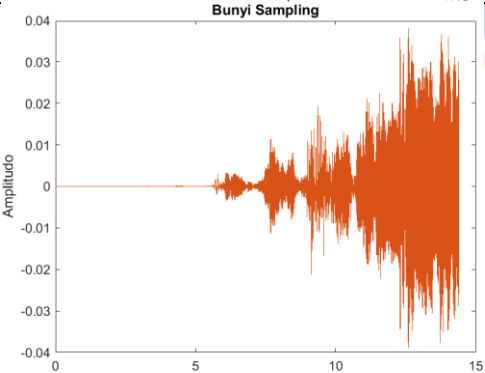
Suara 14		96000
Suara 15		96000
Suara 16		96000
Suara 17		96000

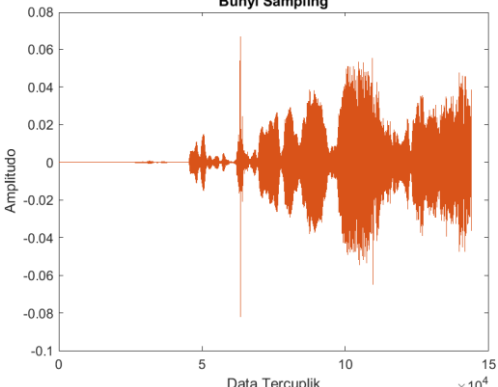
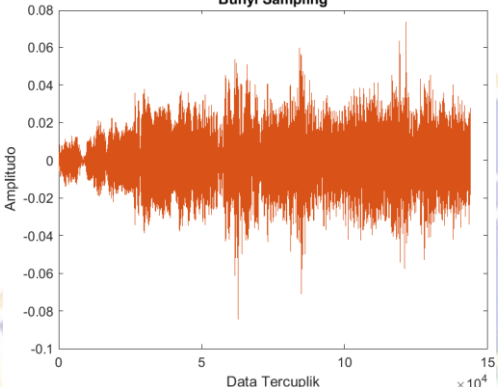
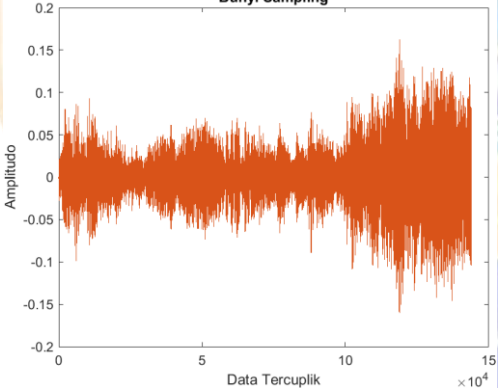
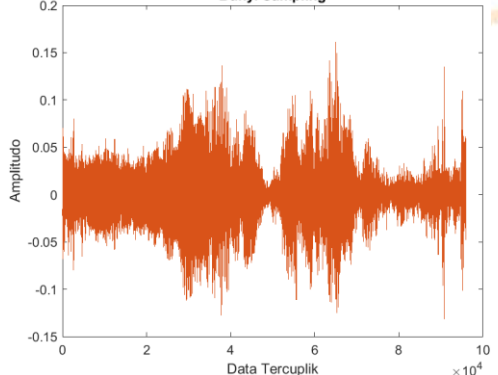
Suara 18		96000
Suara 19		96000
Suara 20		96000
Suara 21		96000

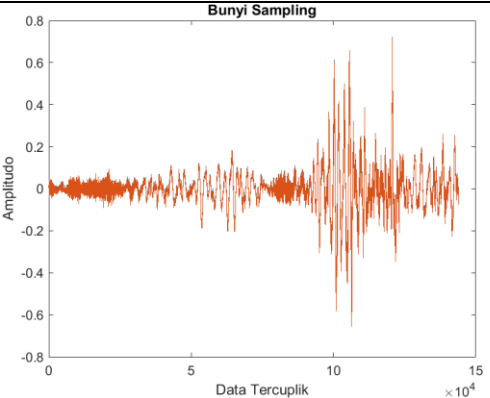
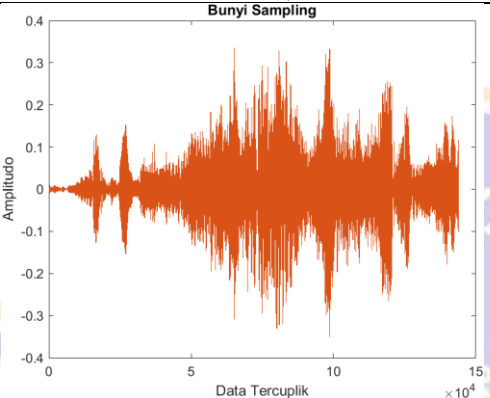
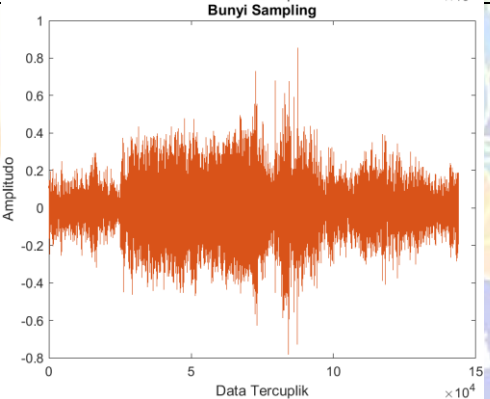
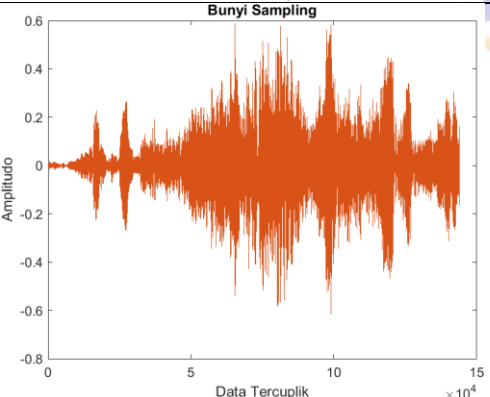
Suara 22		96000
Suara 23		96000
Suara 24		96000
Suara 25		96000

Lampiran 3 Frekuensi *Sampling* 3fm

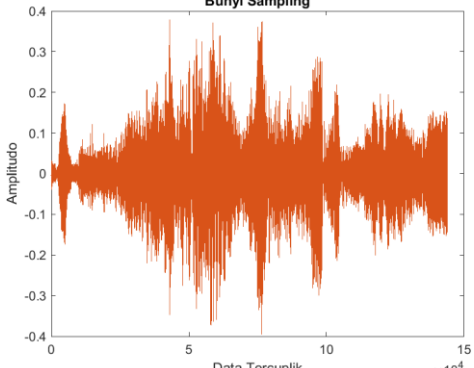
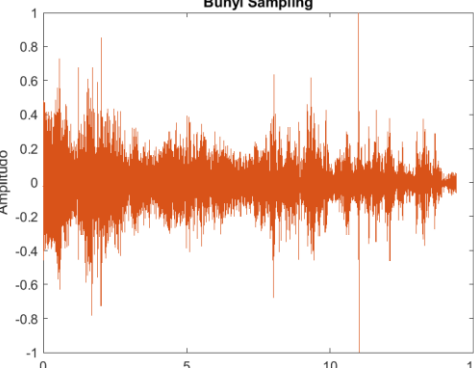
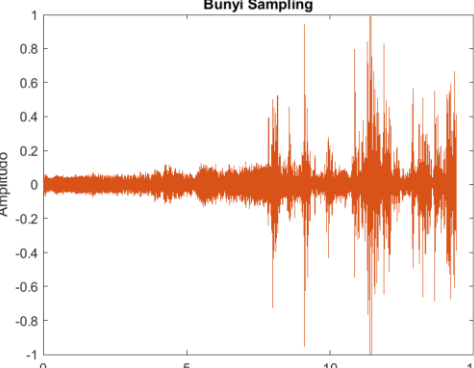
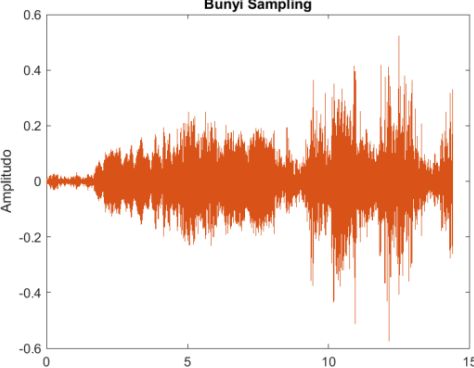
Nama File	<i>Auido Signal Sampling</i>	
	<i>Audio Signal</i>	<i>Frekuensi (Hz)</i>
Suara 1		144000
Suara 2		144000
Suara 3		144000

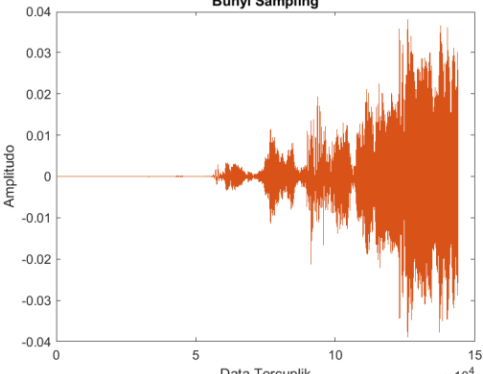
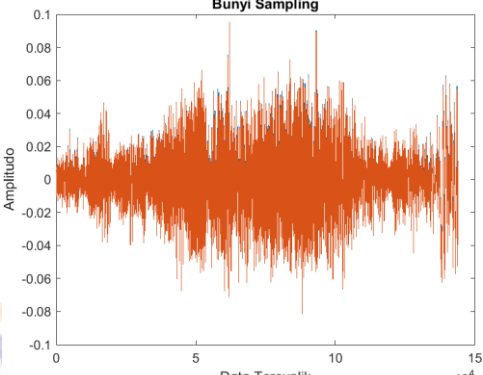
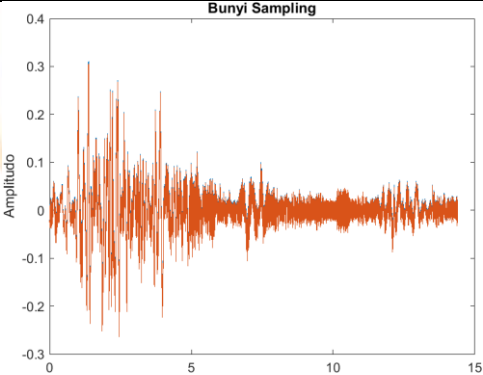
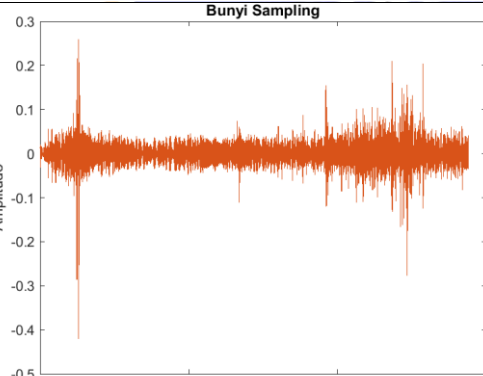
Suara 4		144000
Suara 5		144000
Suara 6		144000
Suara 7		144000

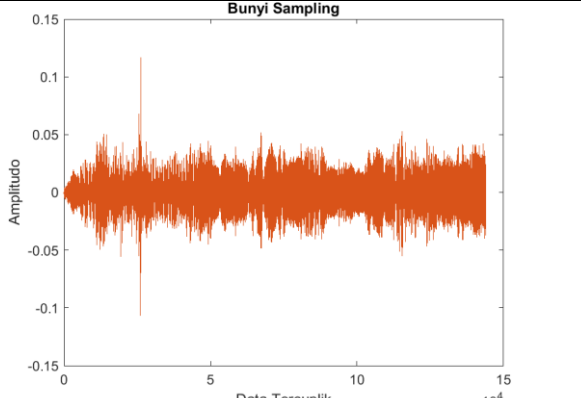
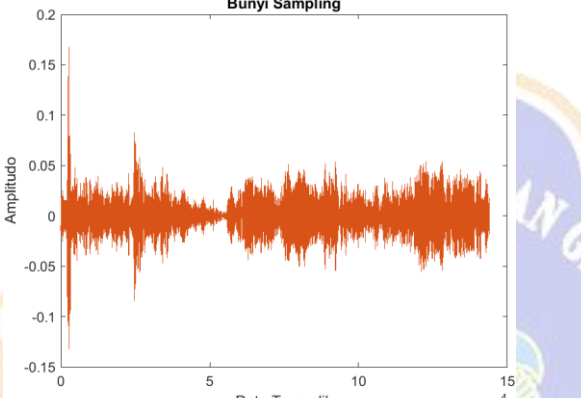
Suara 8		144000
Suara 9		144000
Suara 10		144000
Suara 11		144000

Suara 12		144000
Suara 13		144000
Suara 14		144000
Suara 15		144000

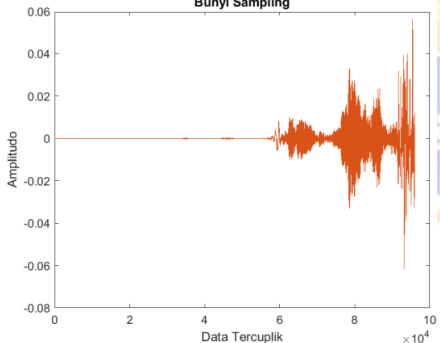
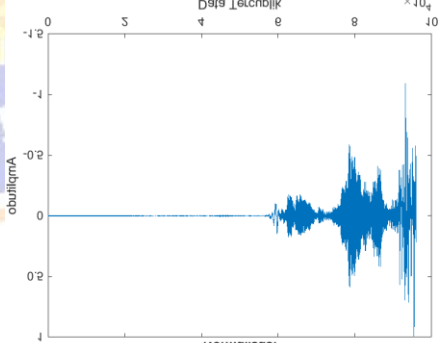


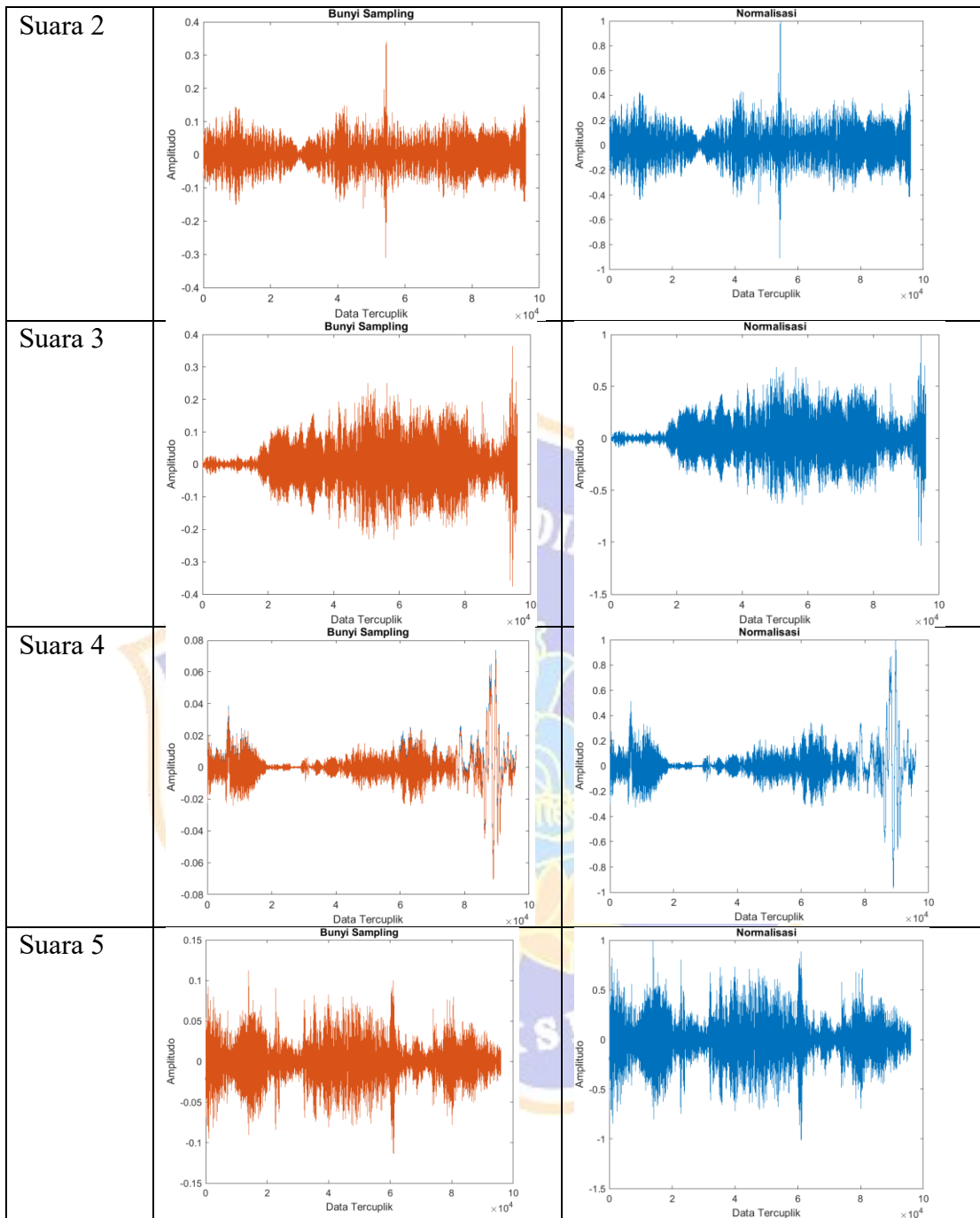
Suara 16		144000
Suara 17		144000
Suara 18		144000
Suara 19		144000

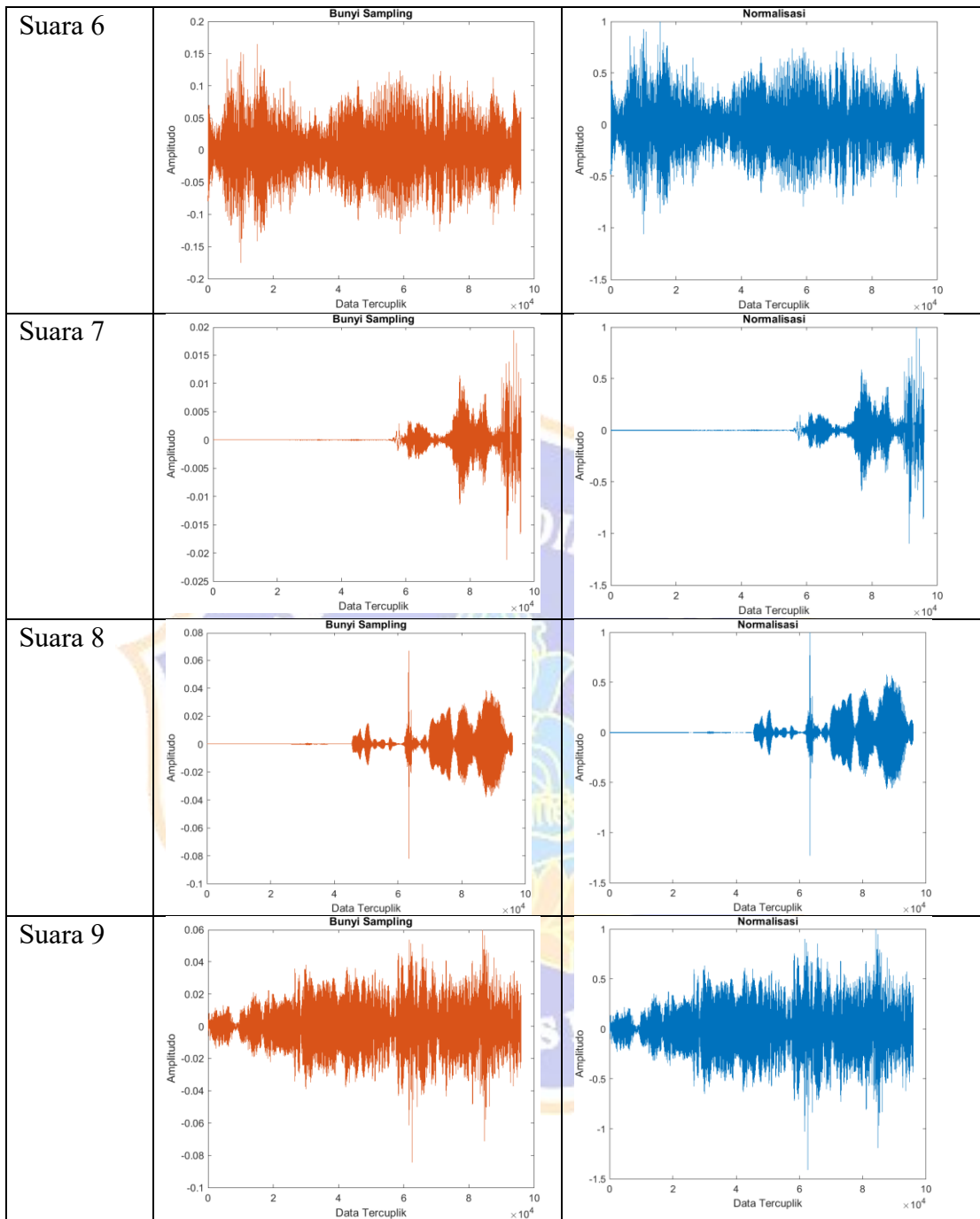
Suara 20		144000
Suara 21		144000
Suara 22		144000
Suara 23		144000

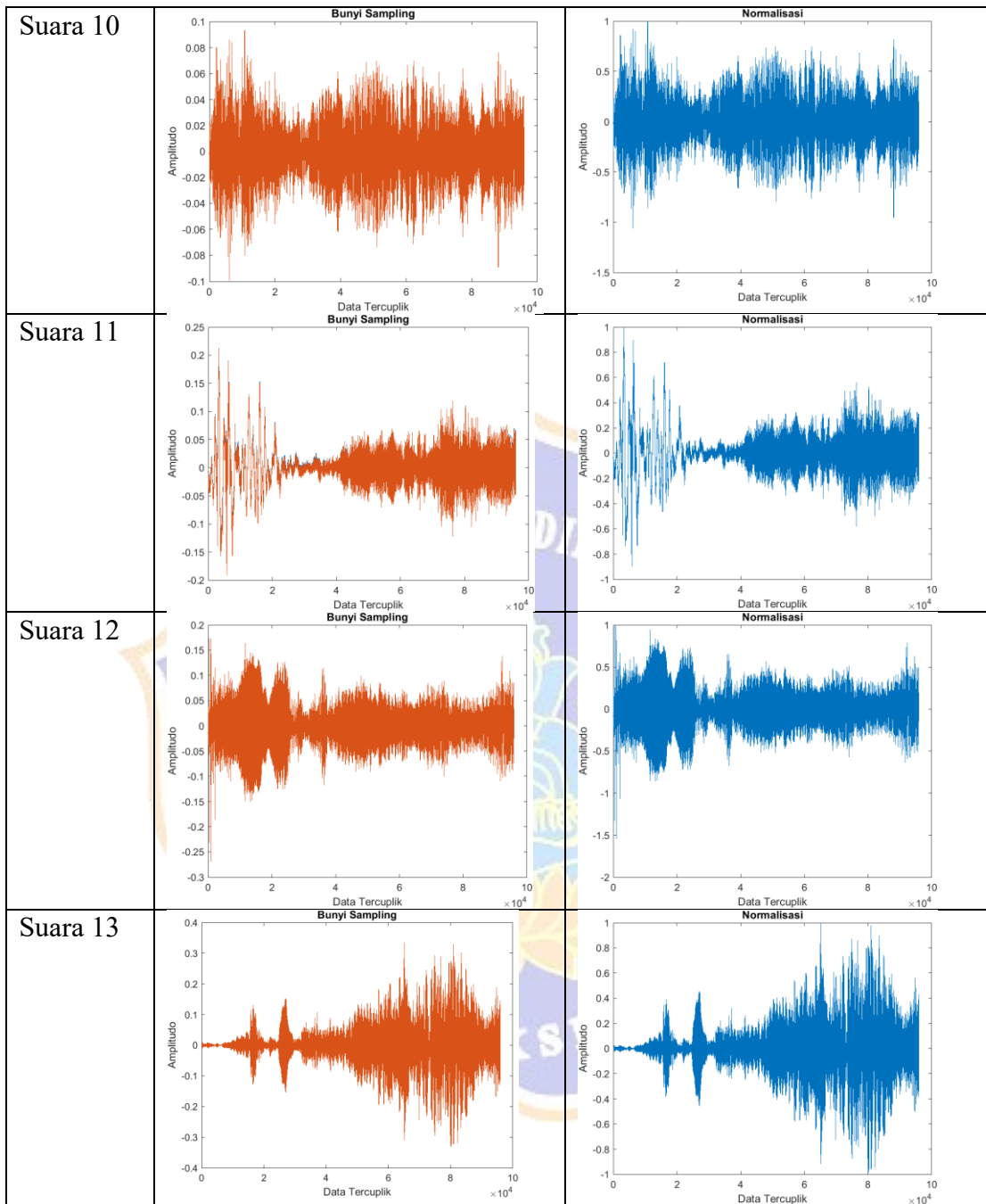
Suara 24		144000
Suara 25		144000

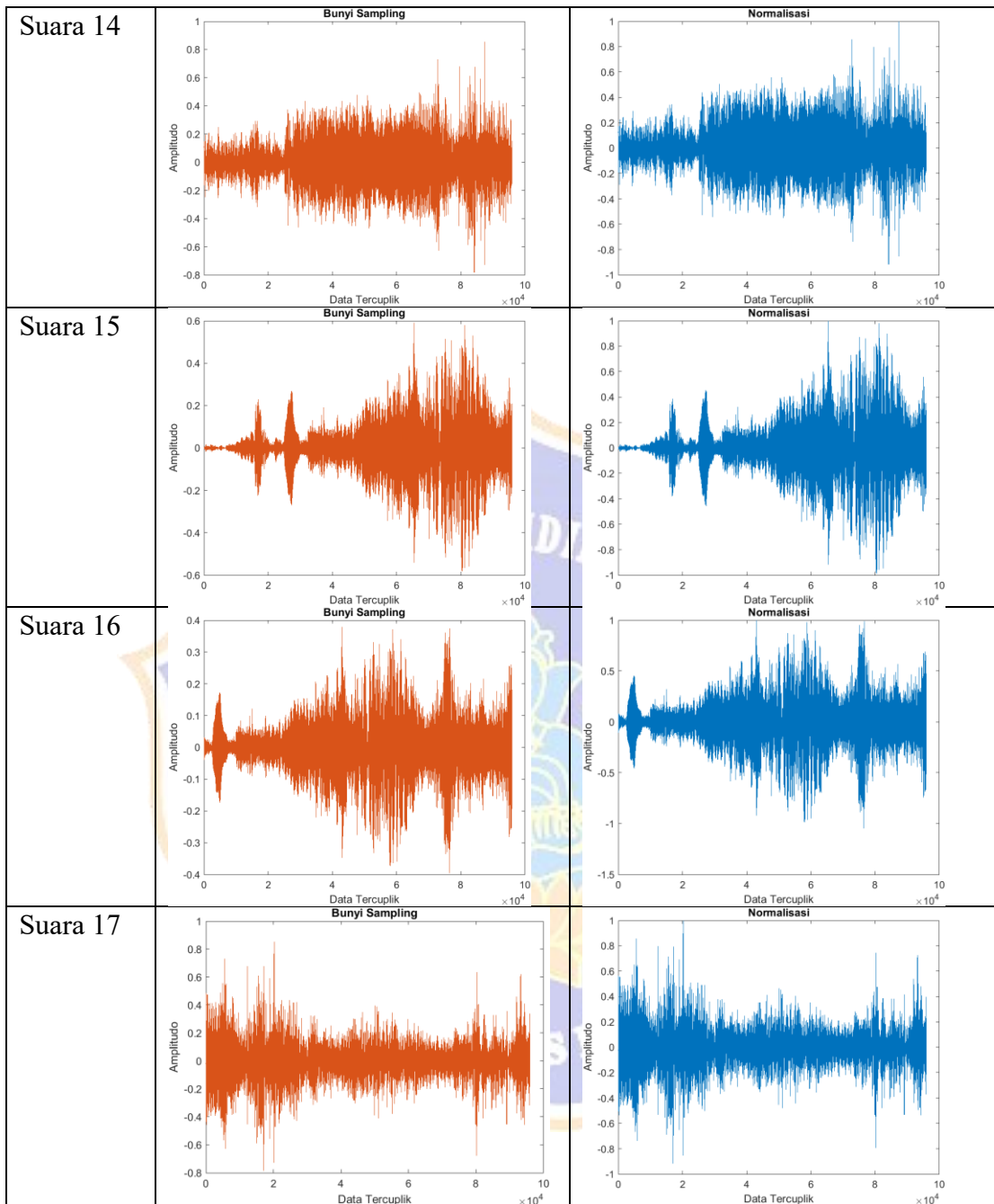
Lampiran 4 Normalisasi Data *Sampling 2fm*

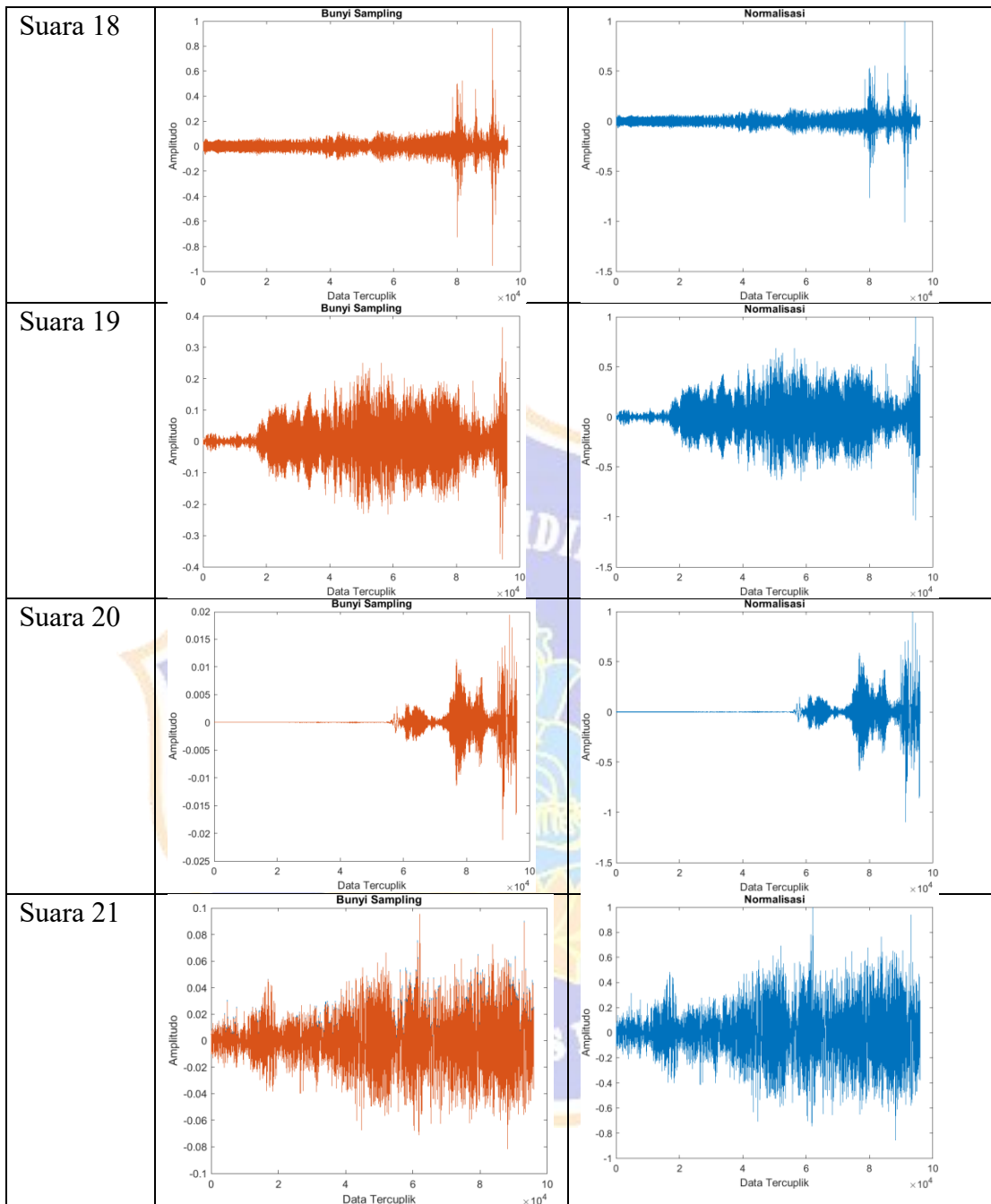
Nama File	Sinyal <i>Sampling 2fm</i>	Normalisasi
Suara 1		



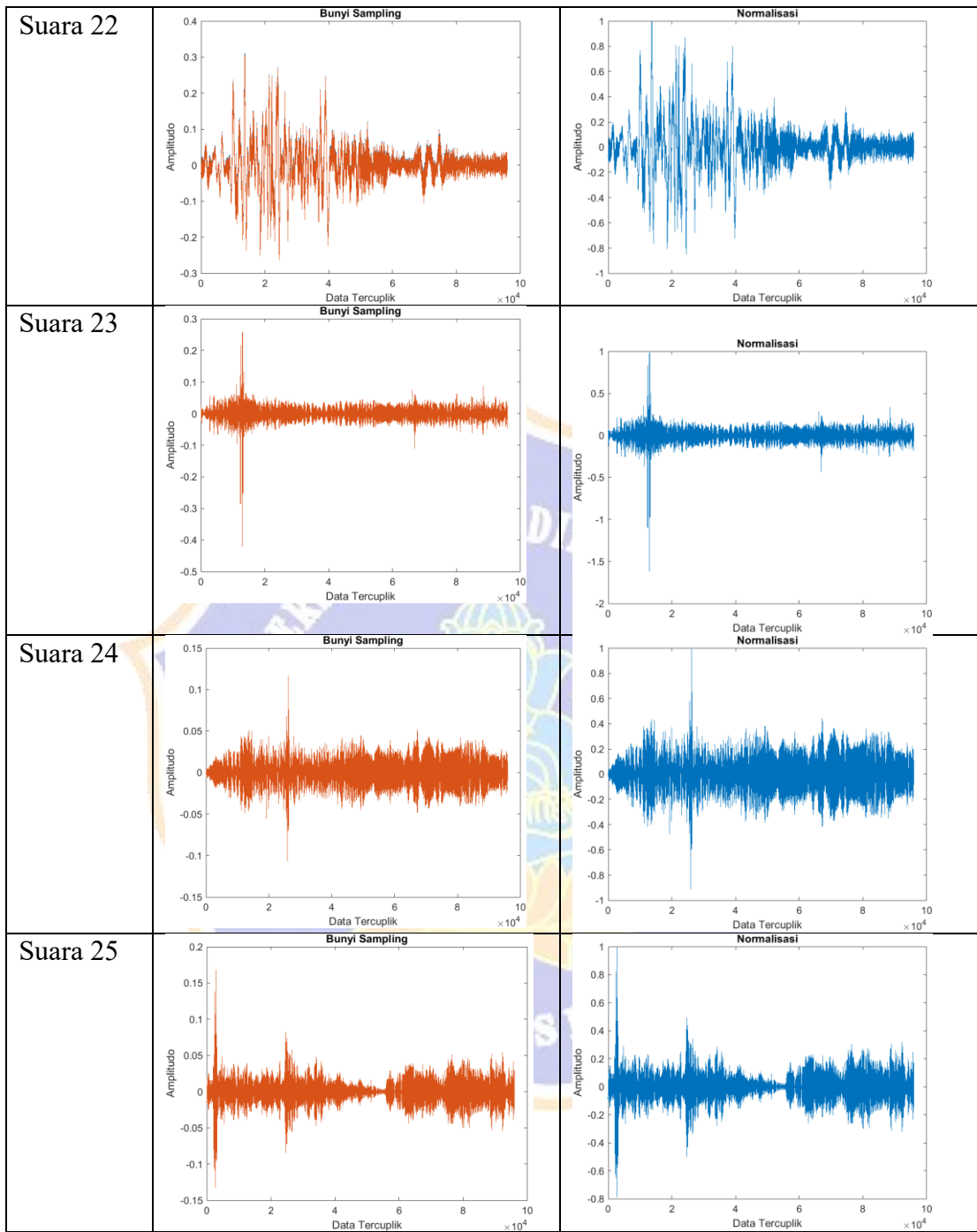




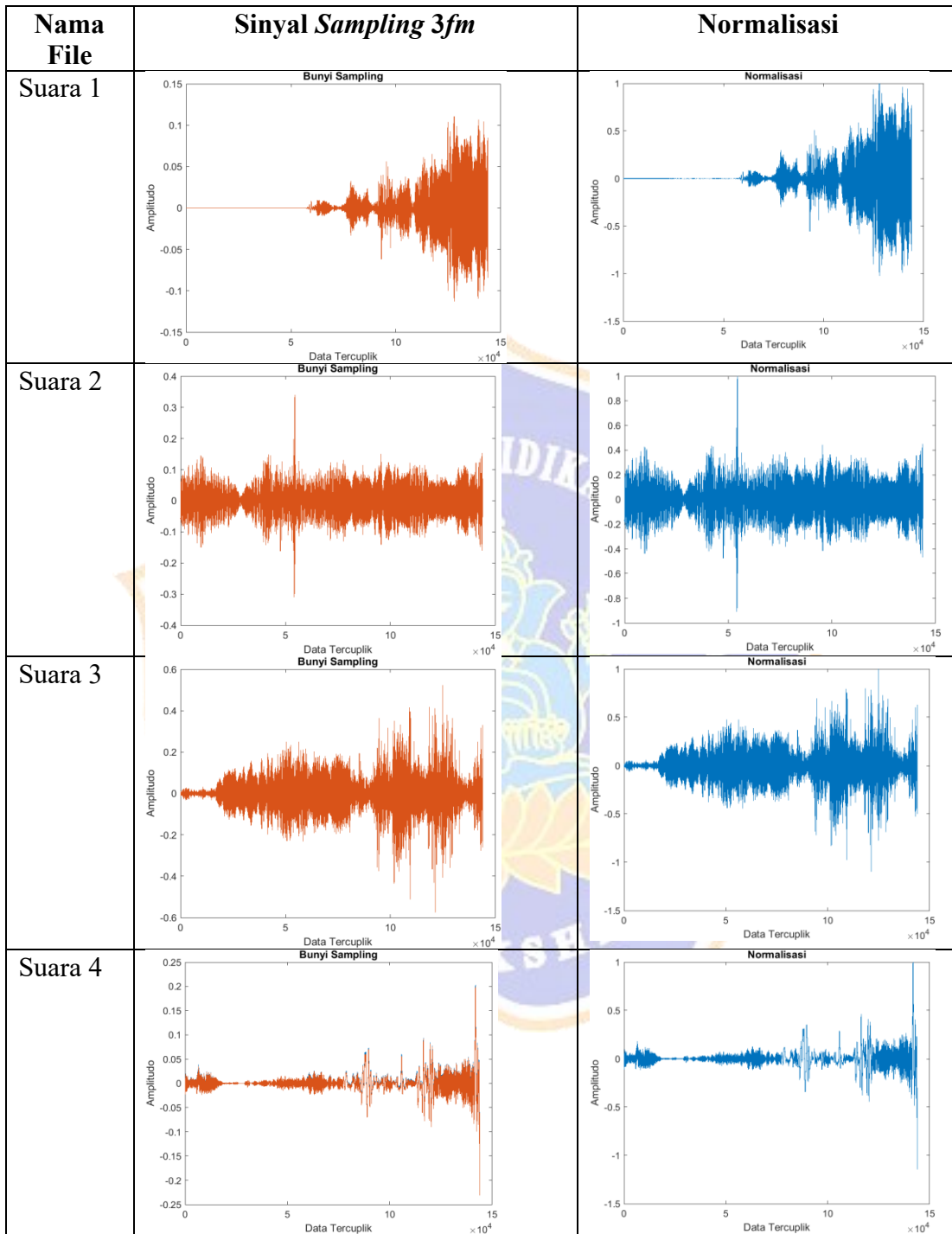


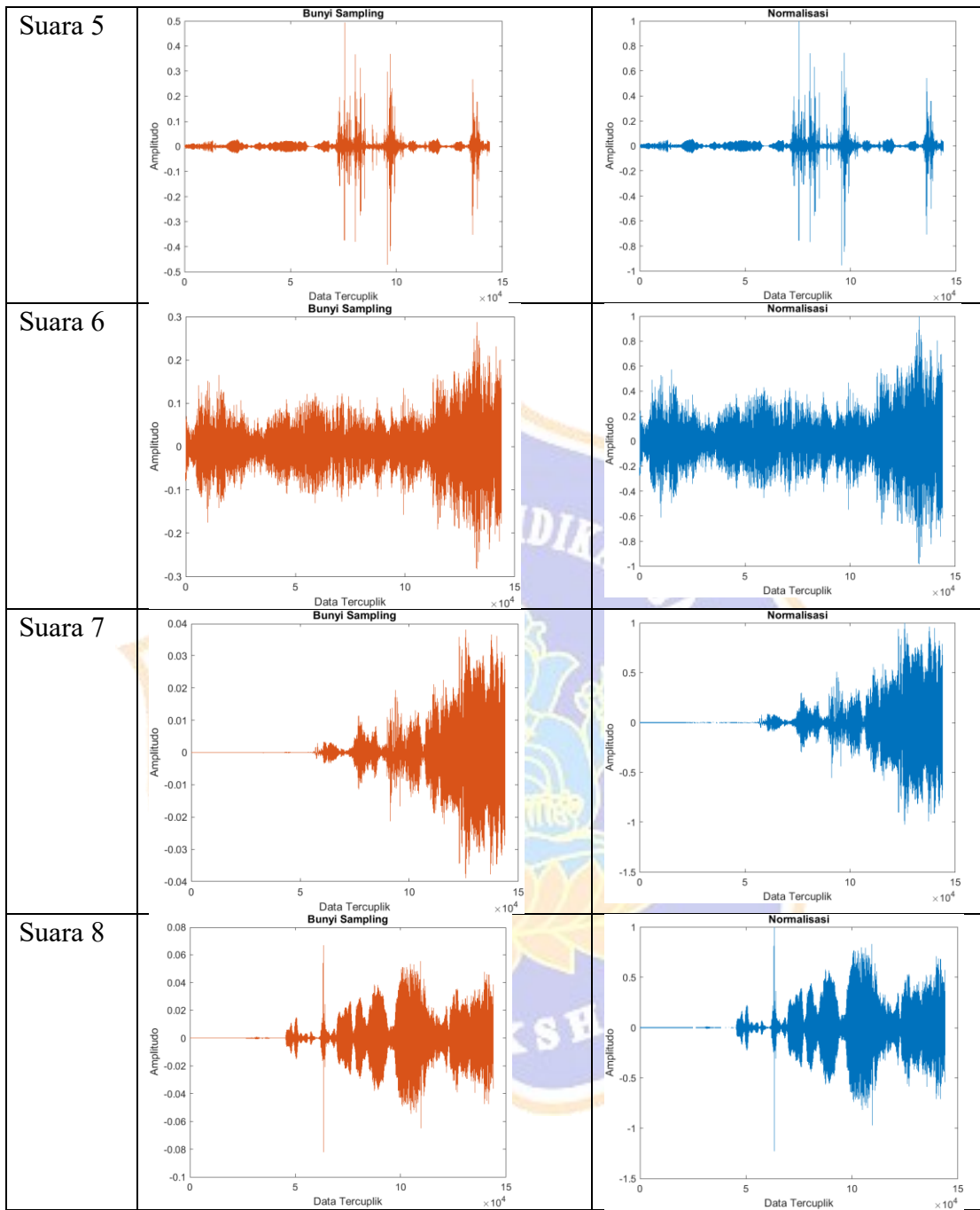


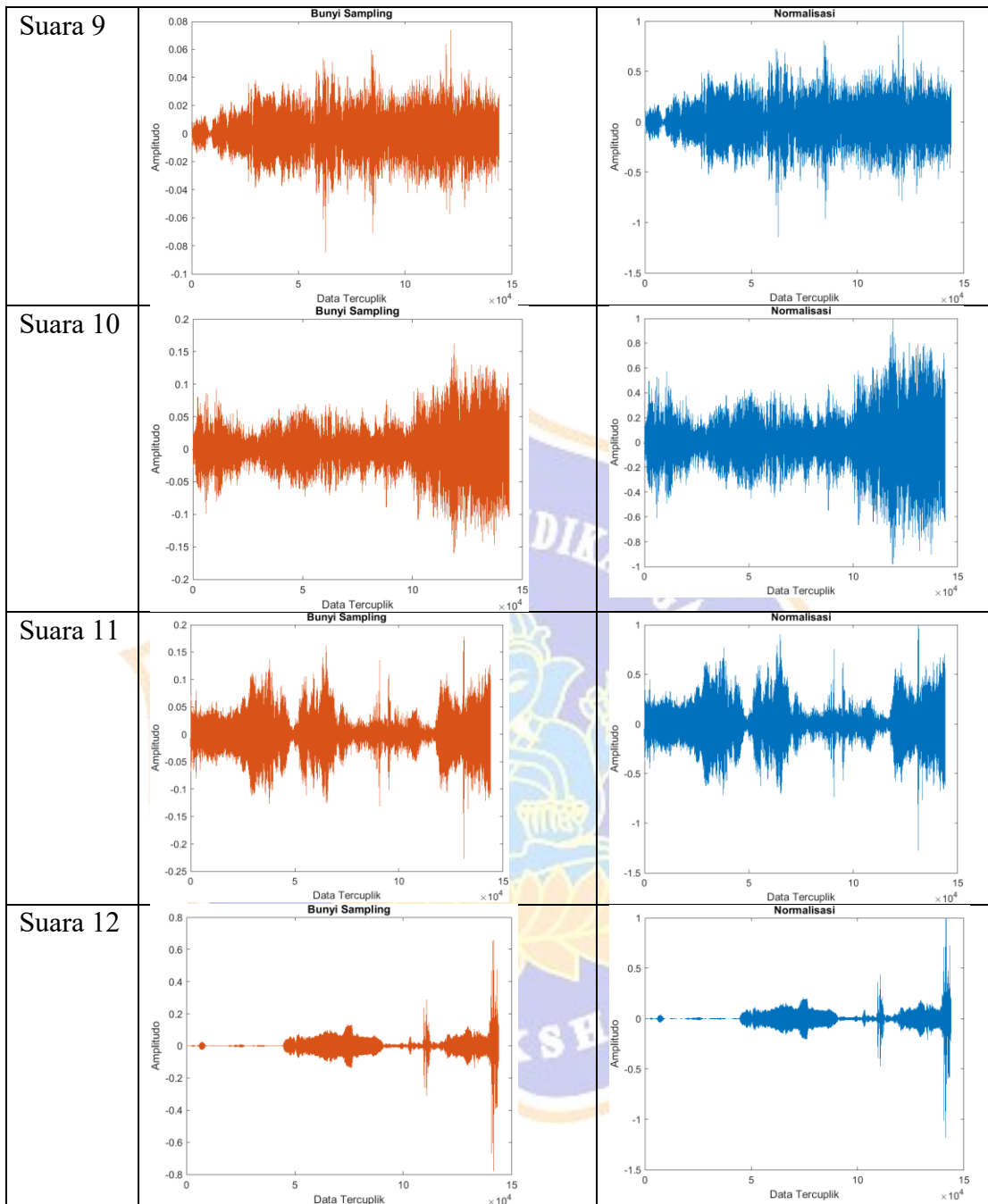


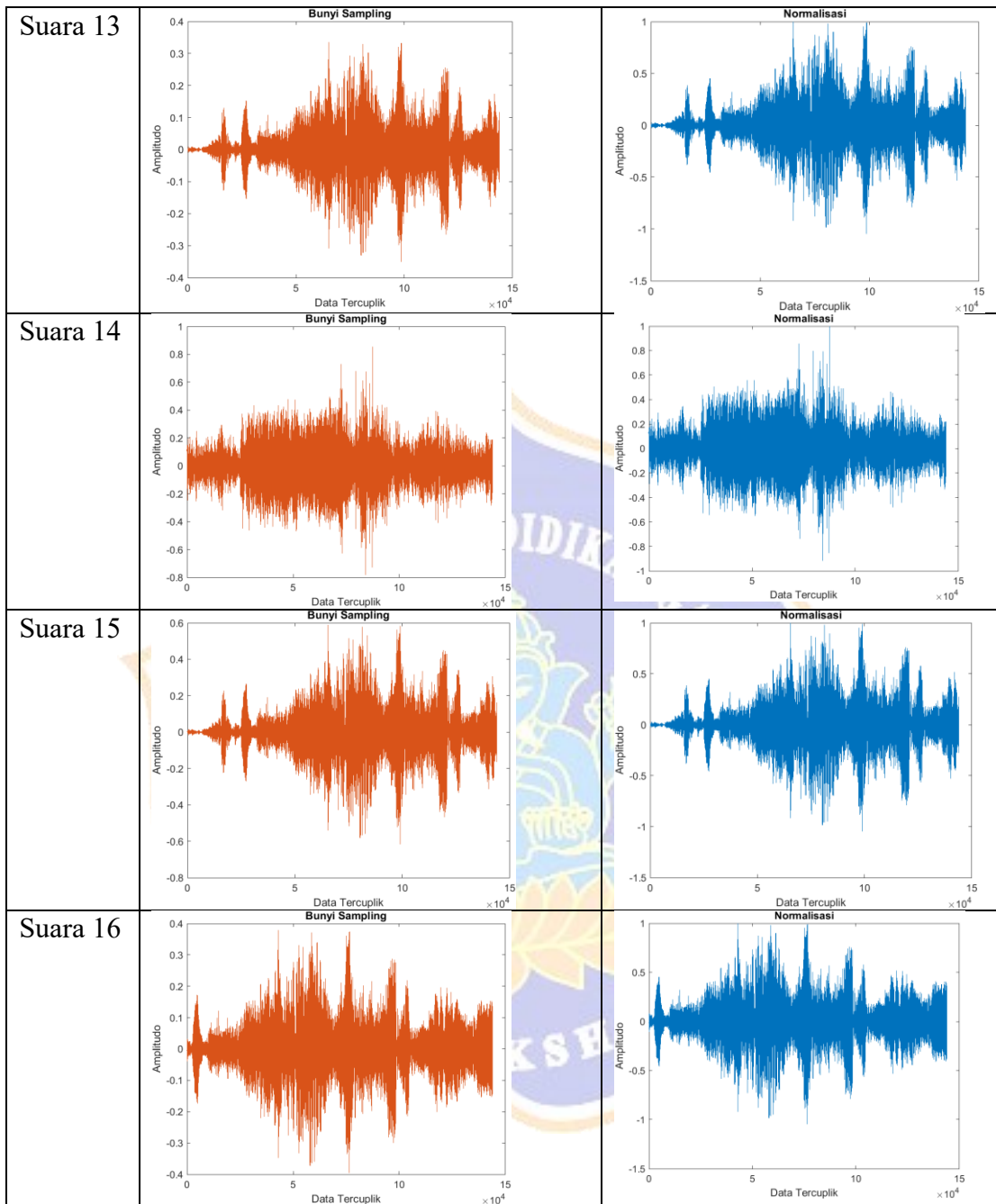


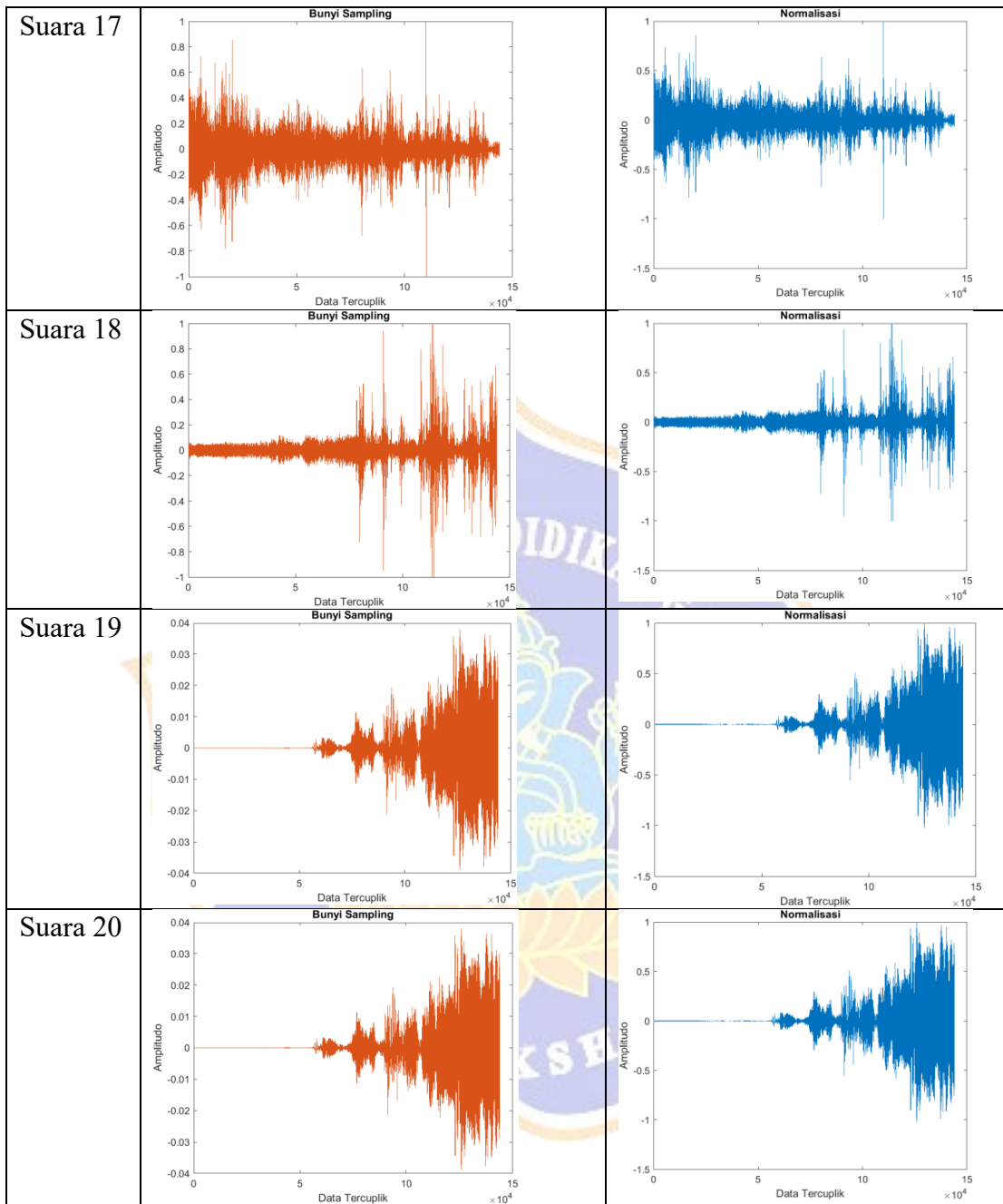
Lampiran 5 Normalisasi Data *Sampling 3fm*

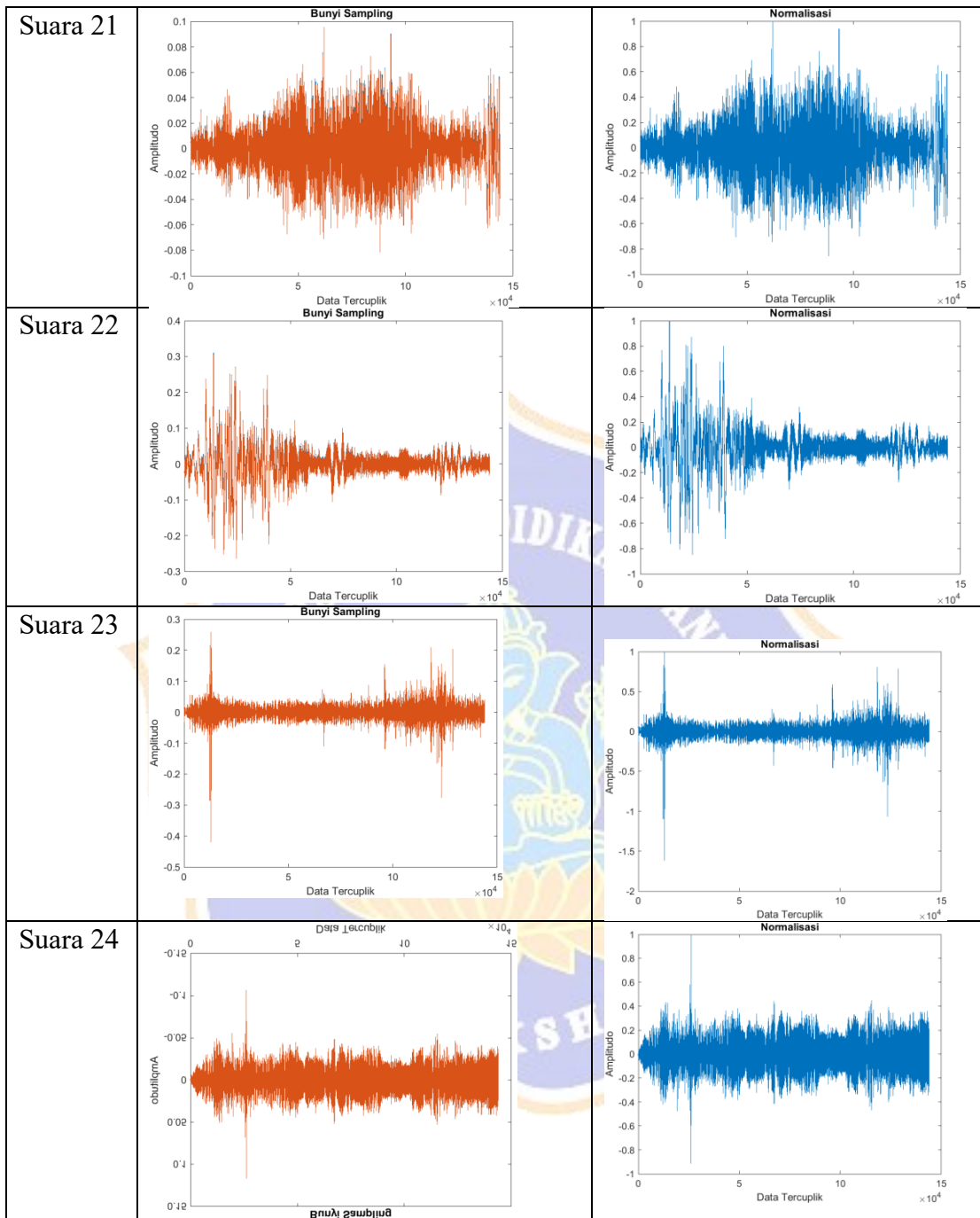


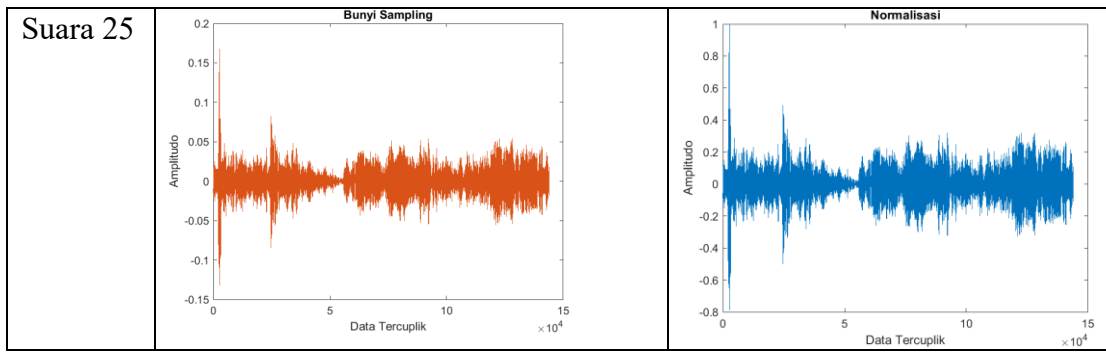




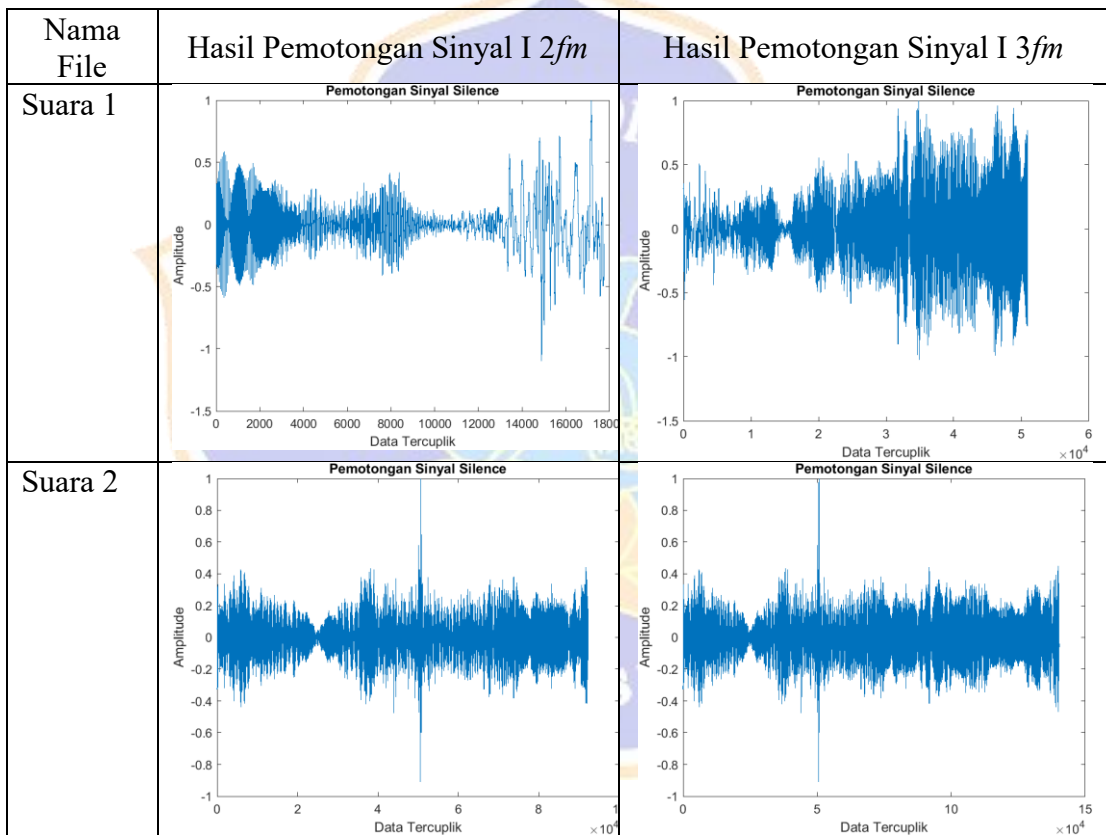




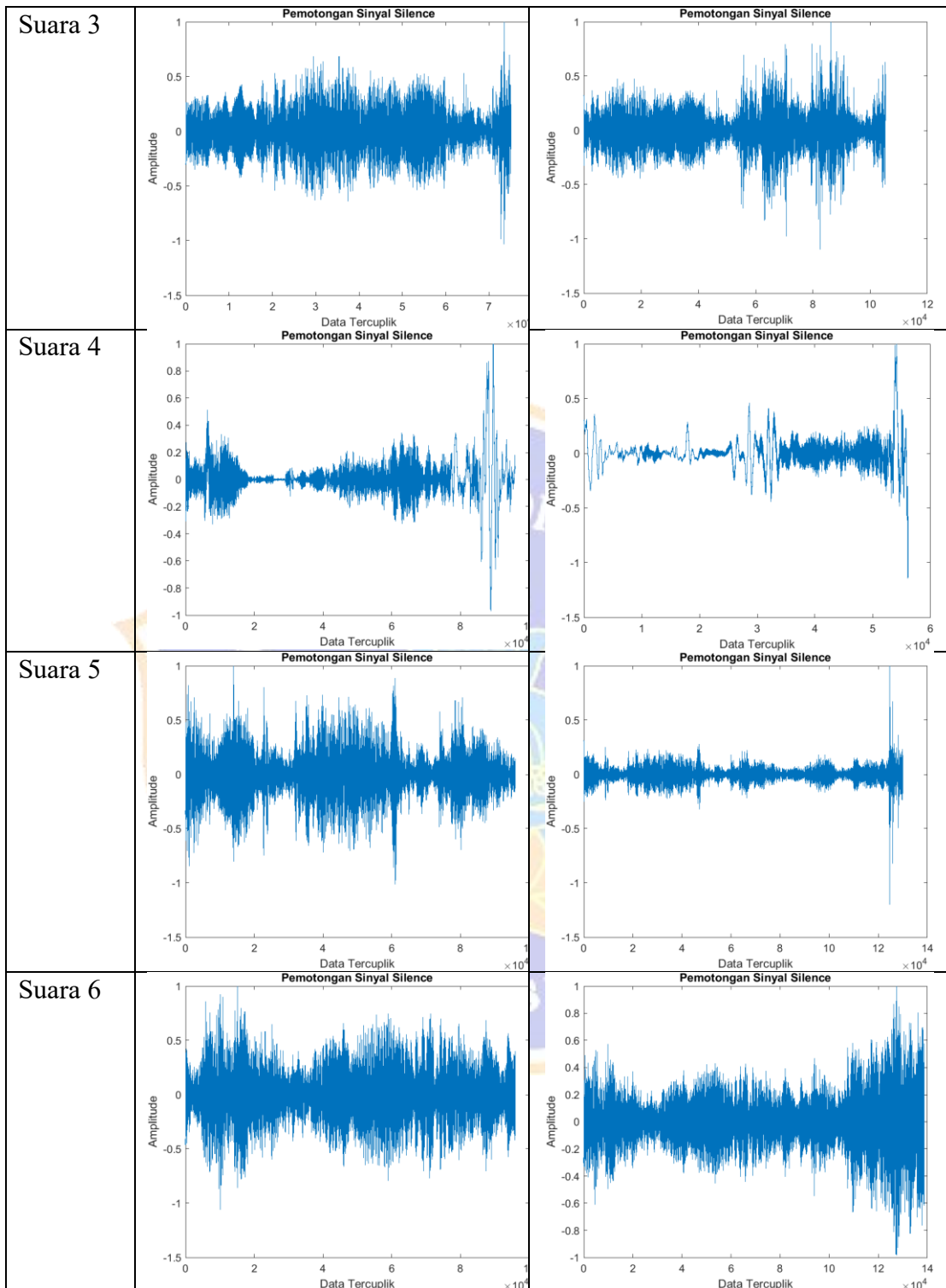


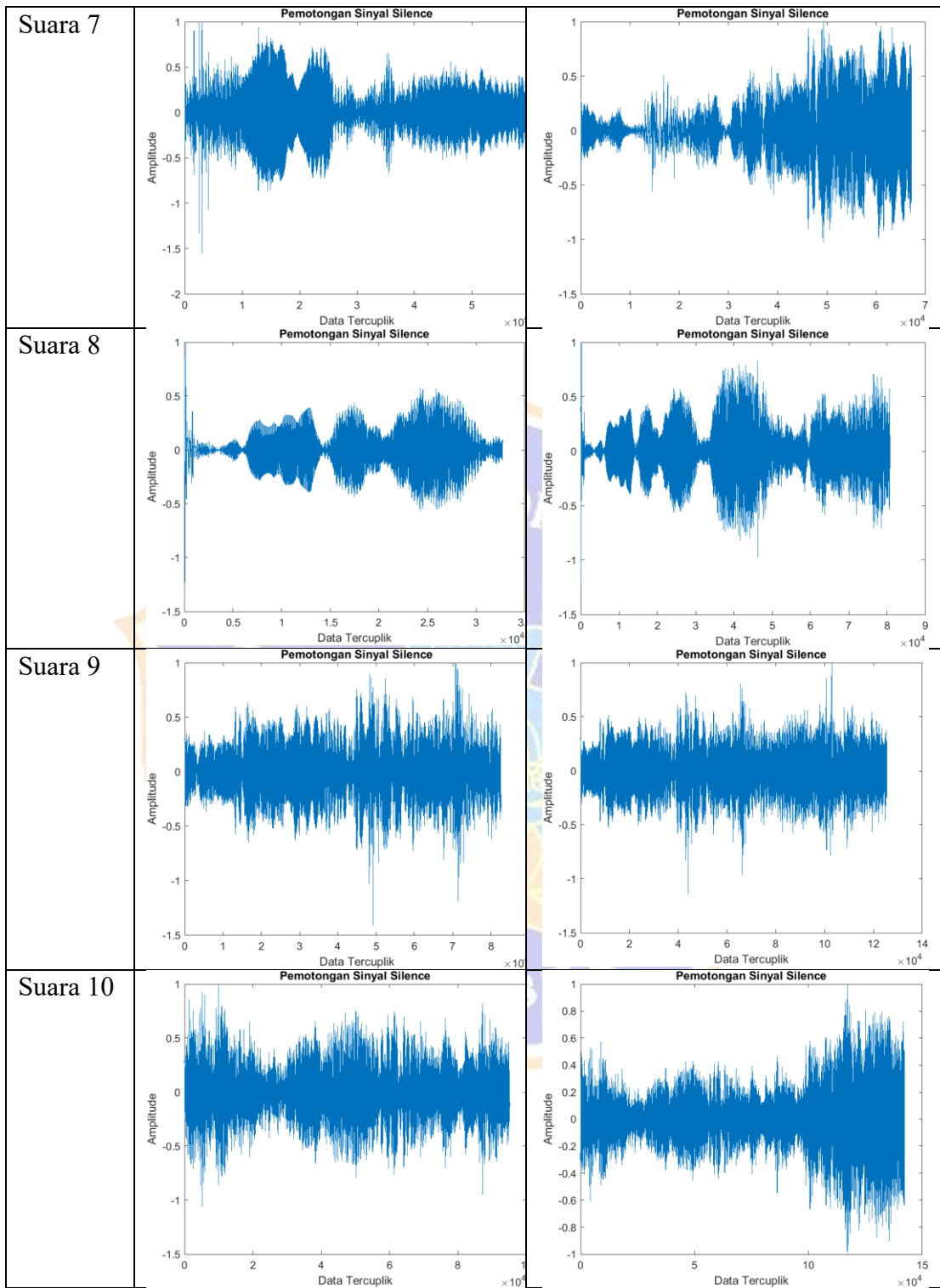


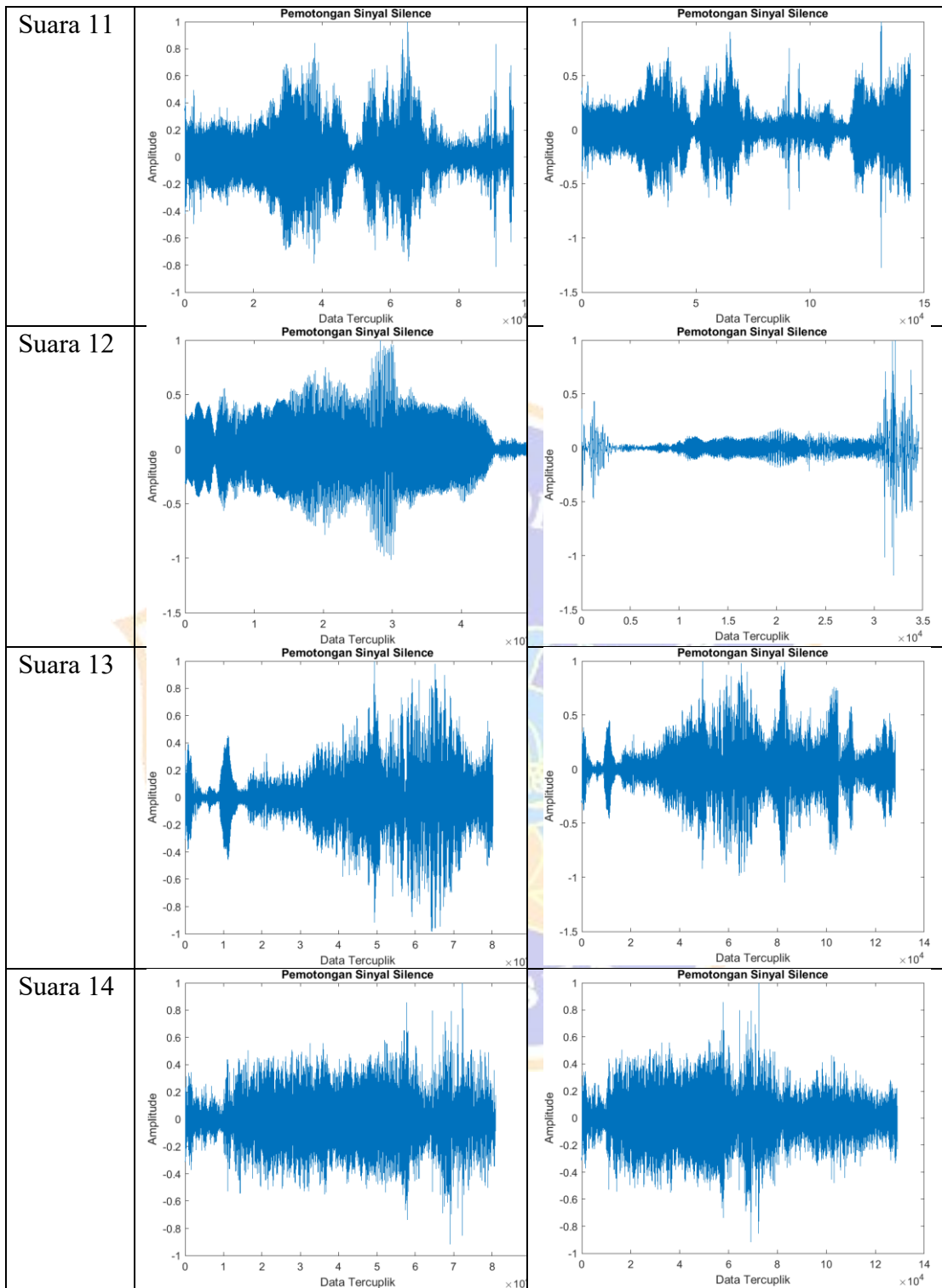
Lampiran 6 Pemotongan Sinyal *Silence* 0.3 Data *Sampling* 2fm dan 3fm

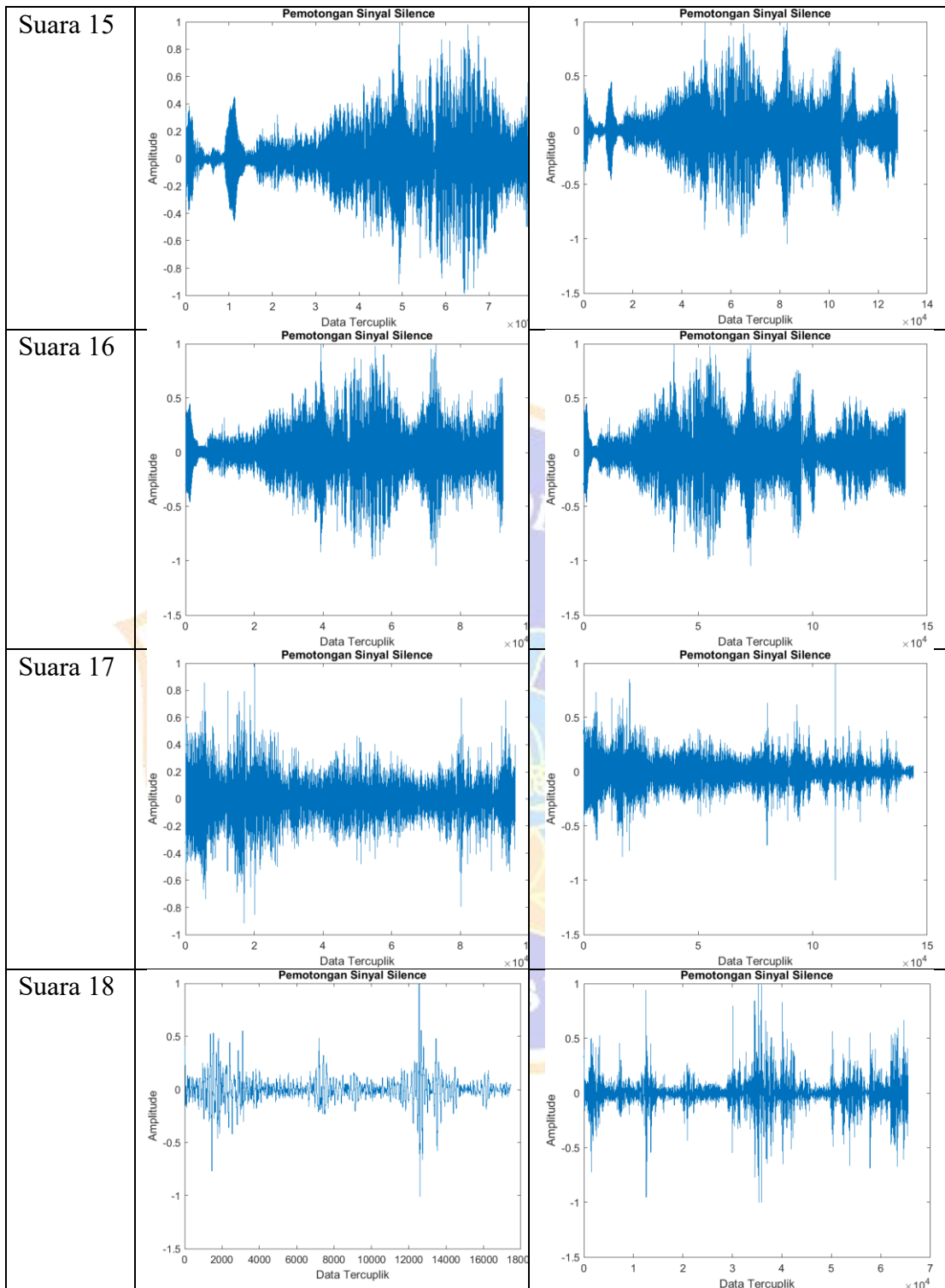


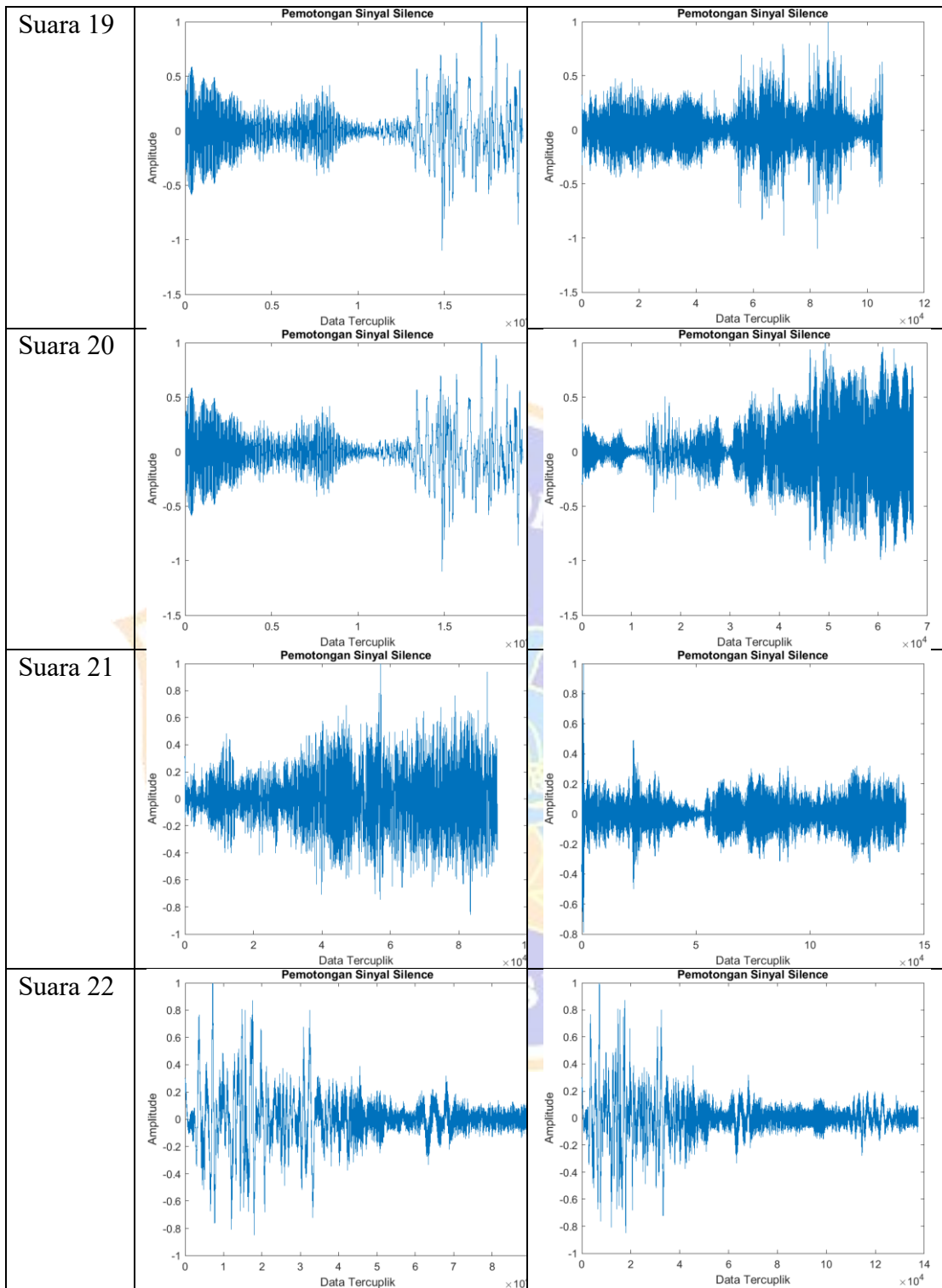


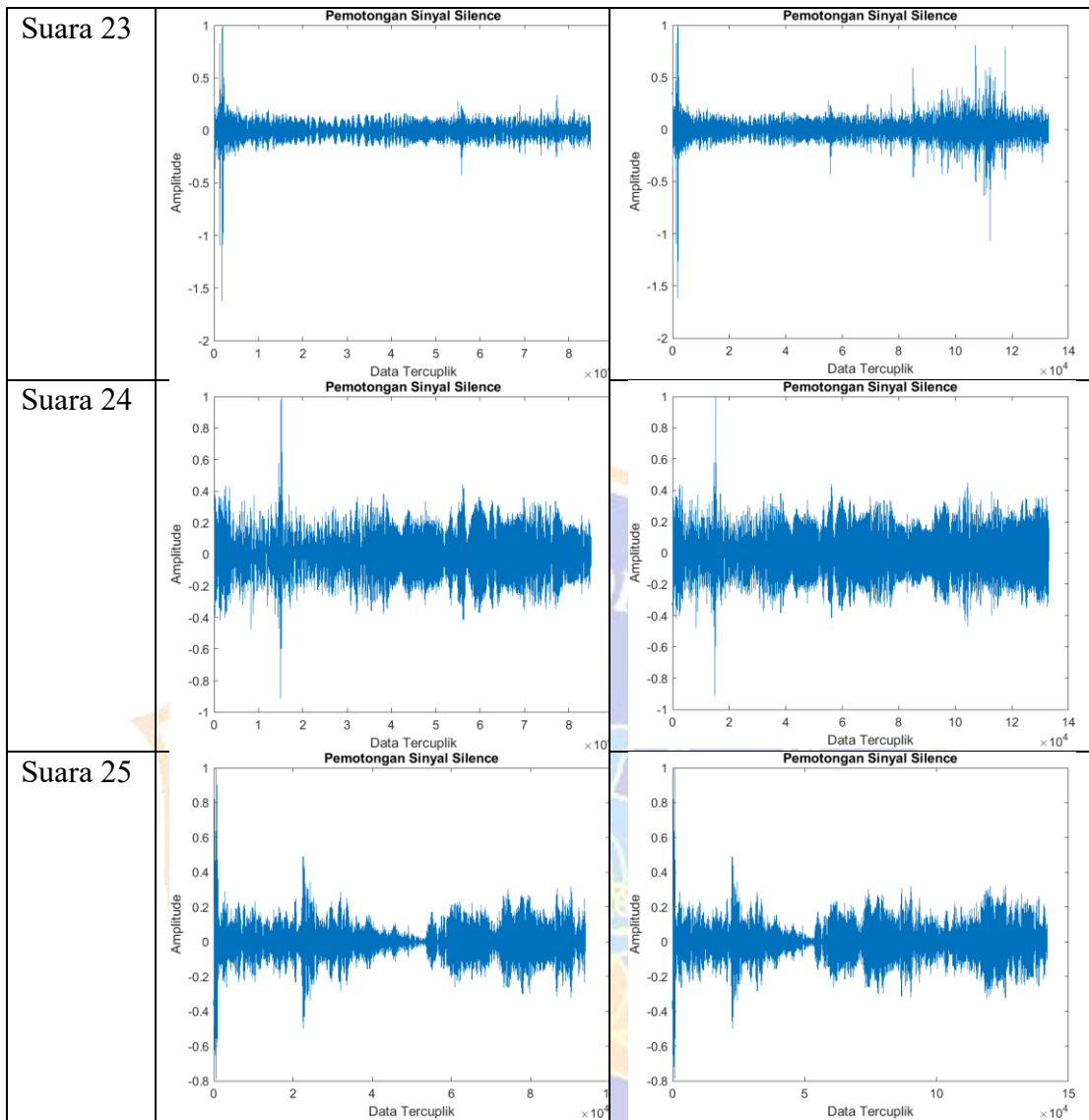






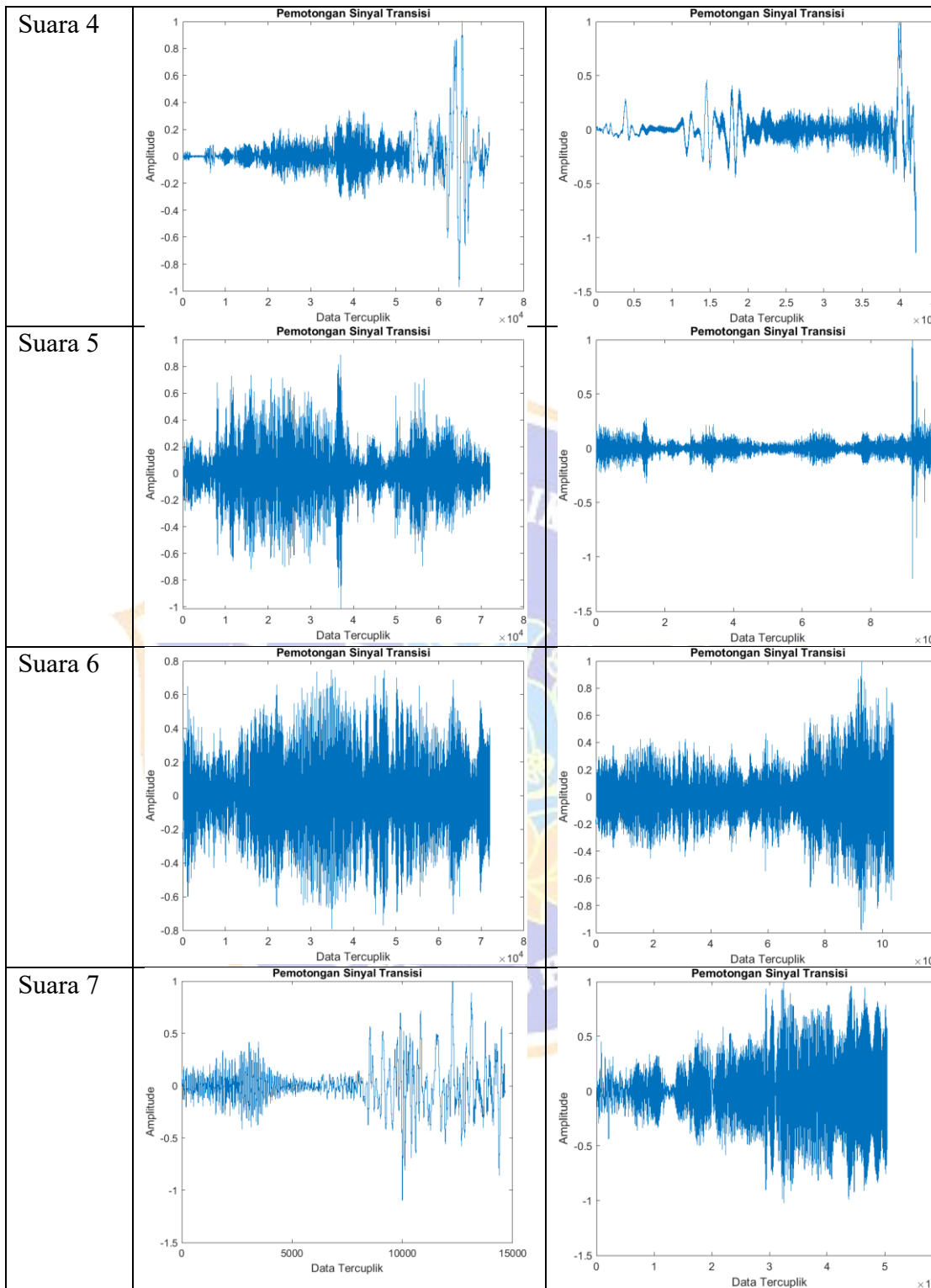




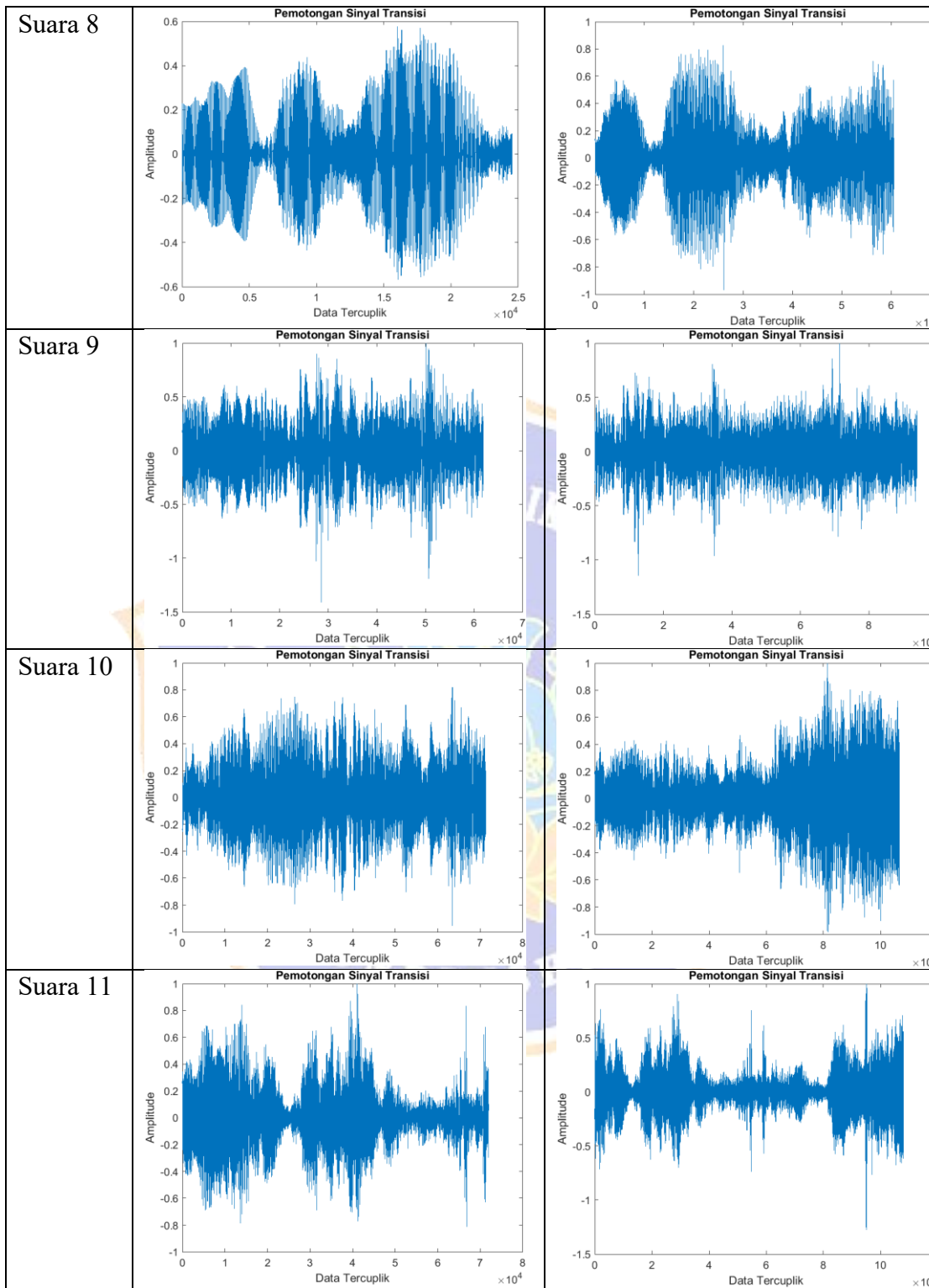


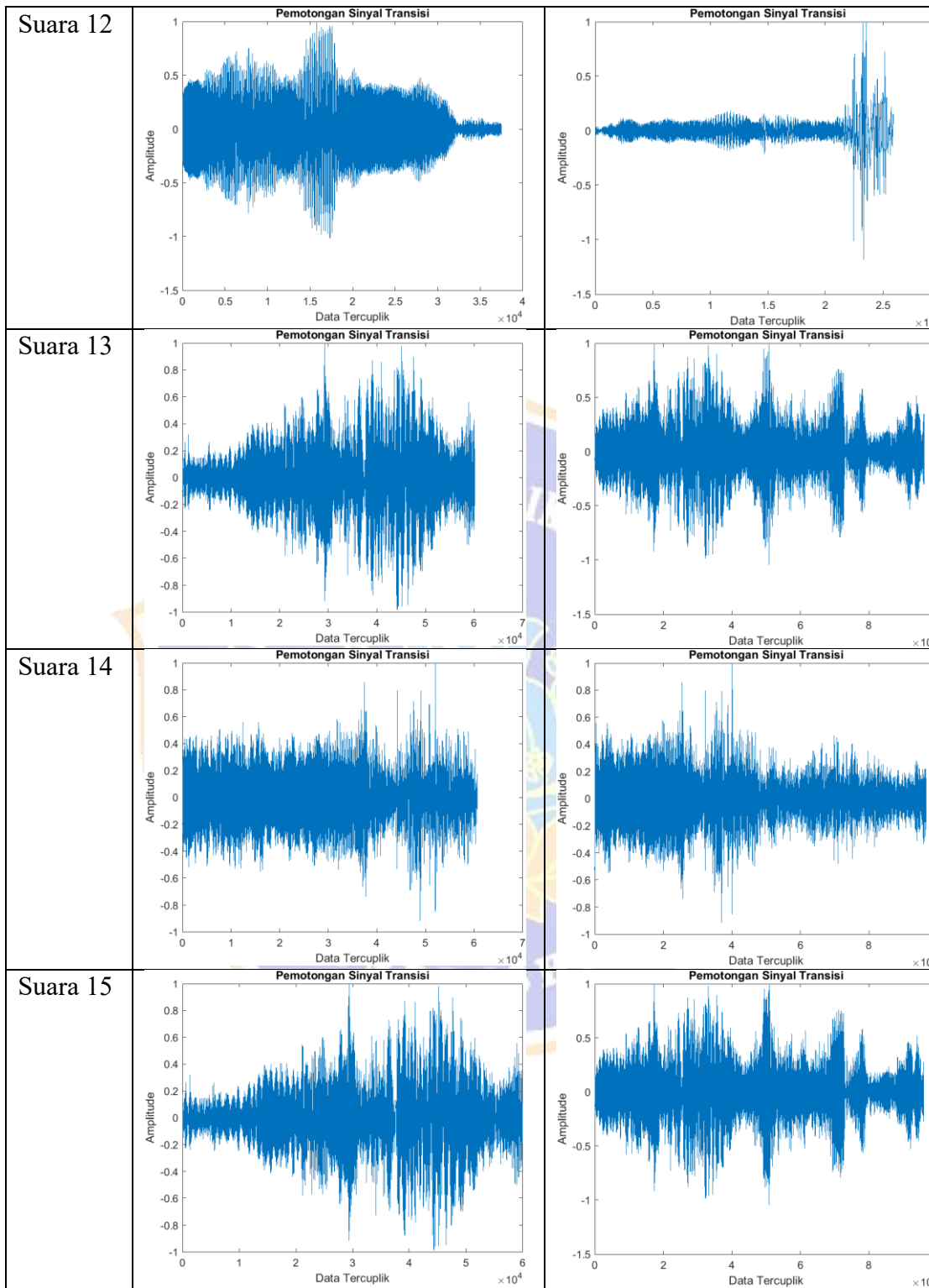
Lampiran 7 Pemotongan Sinyal Transisi.2fm dan 3fm

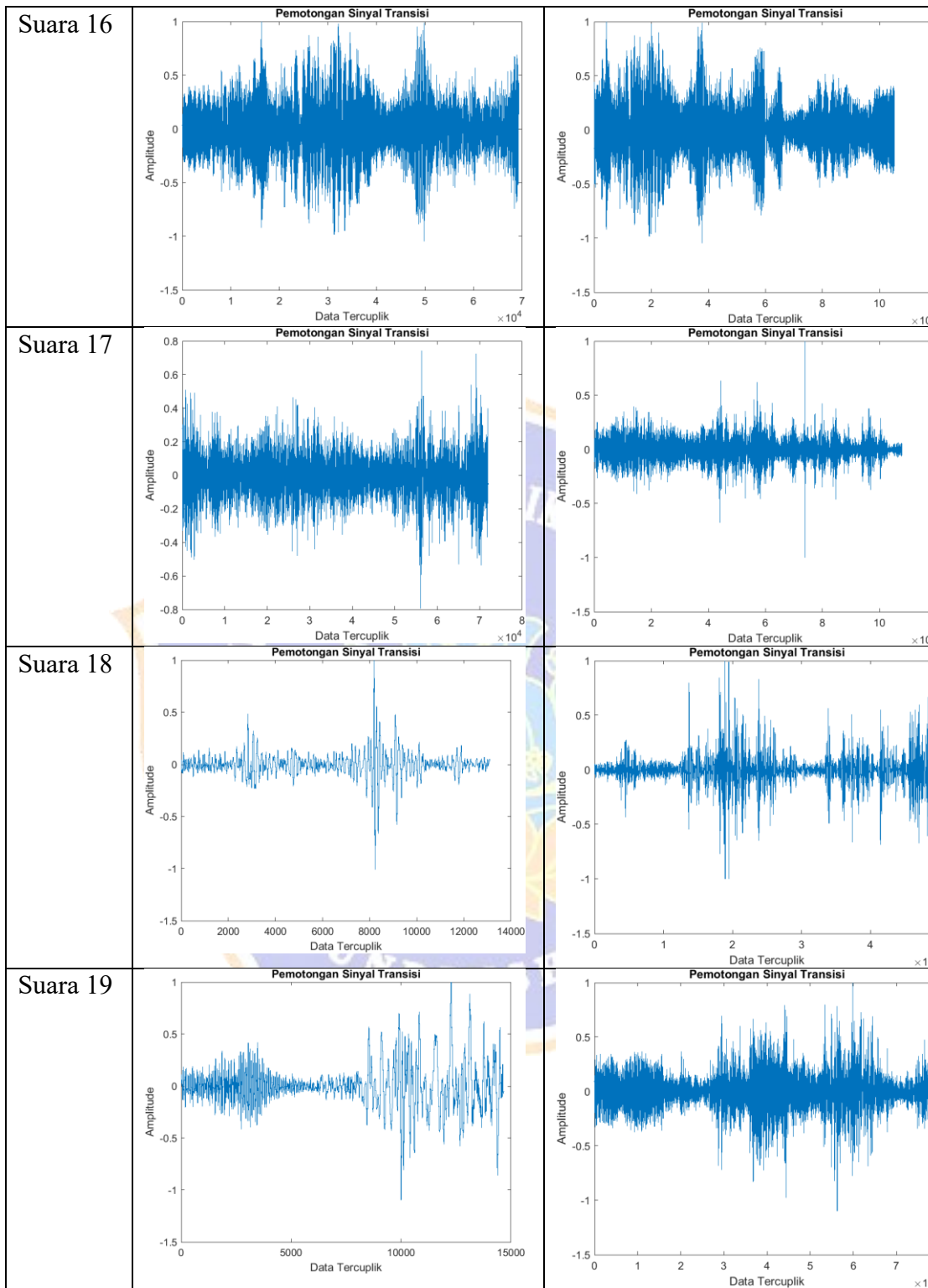
Nama File	Hasil Pemotongan Sinyal II 2fm	Hasil Pemotongan Sinyal II 3fm
Suara 1		
Suara 2		
Suara 3		

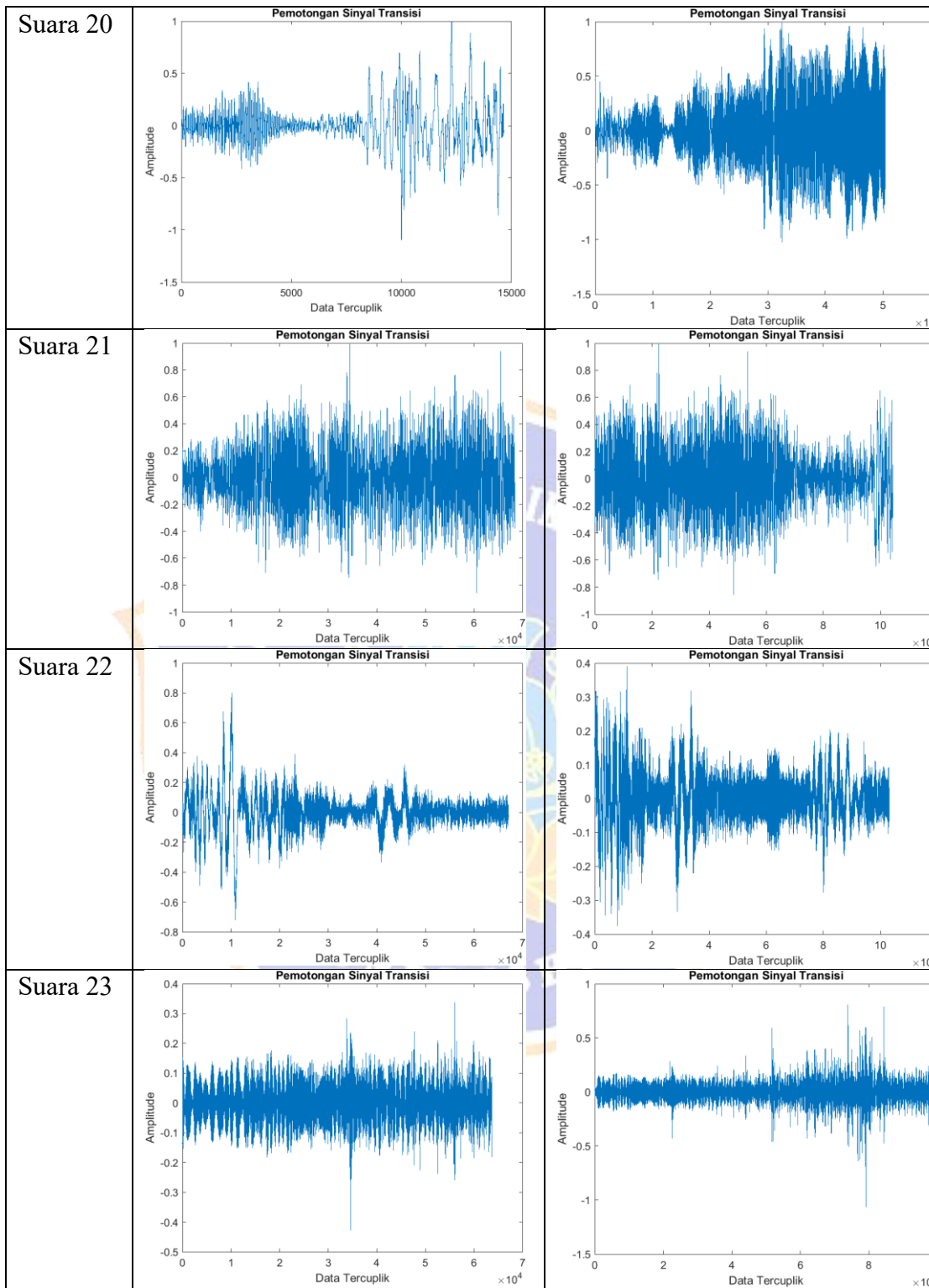


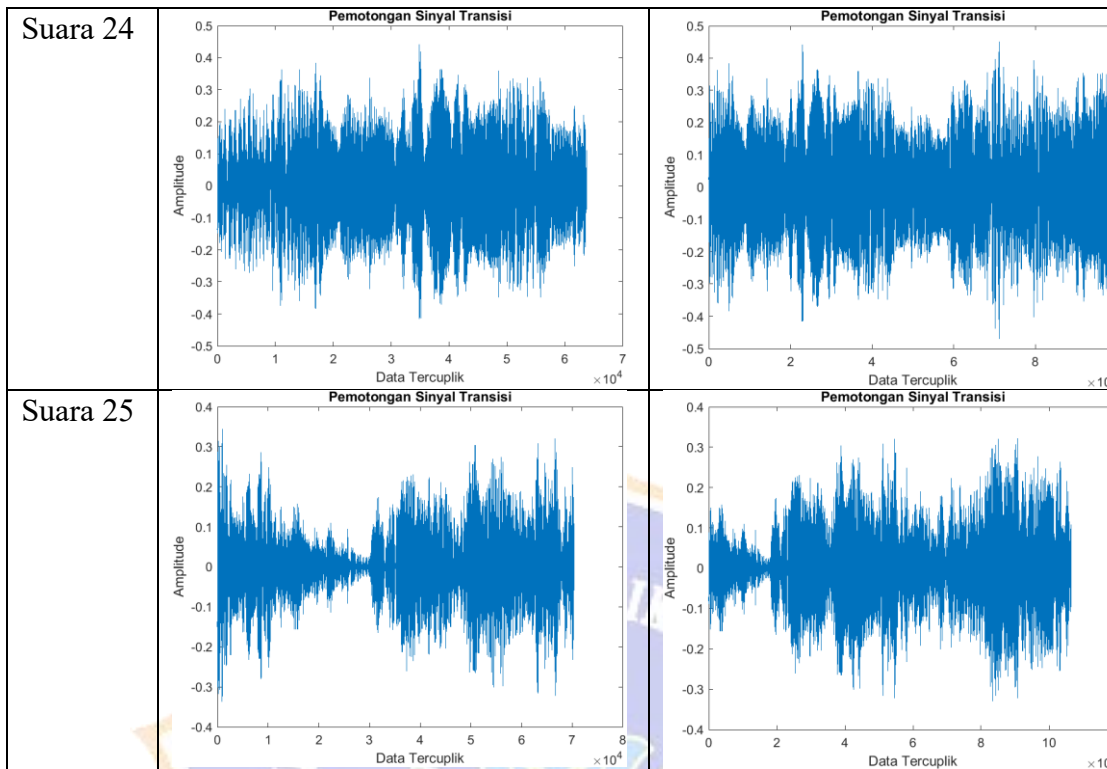




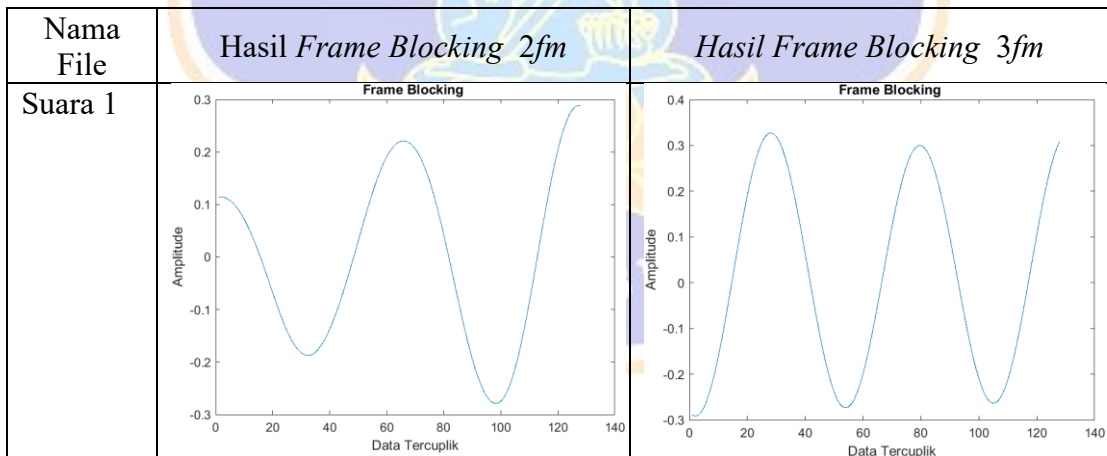


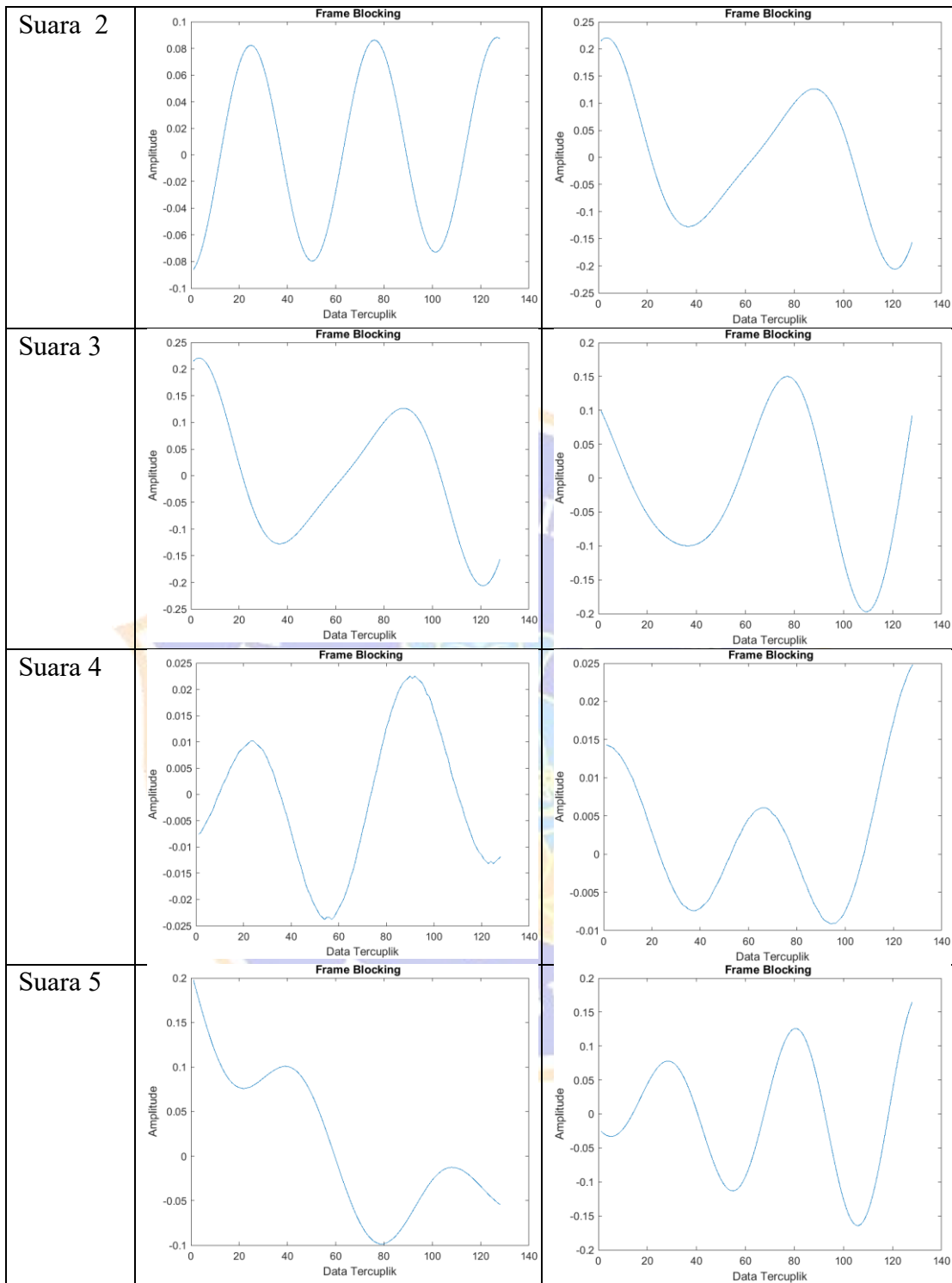


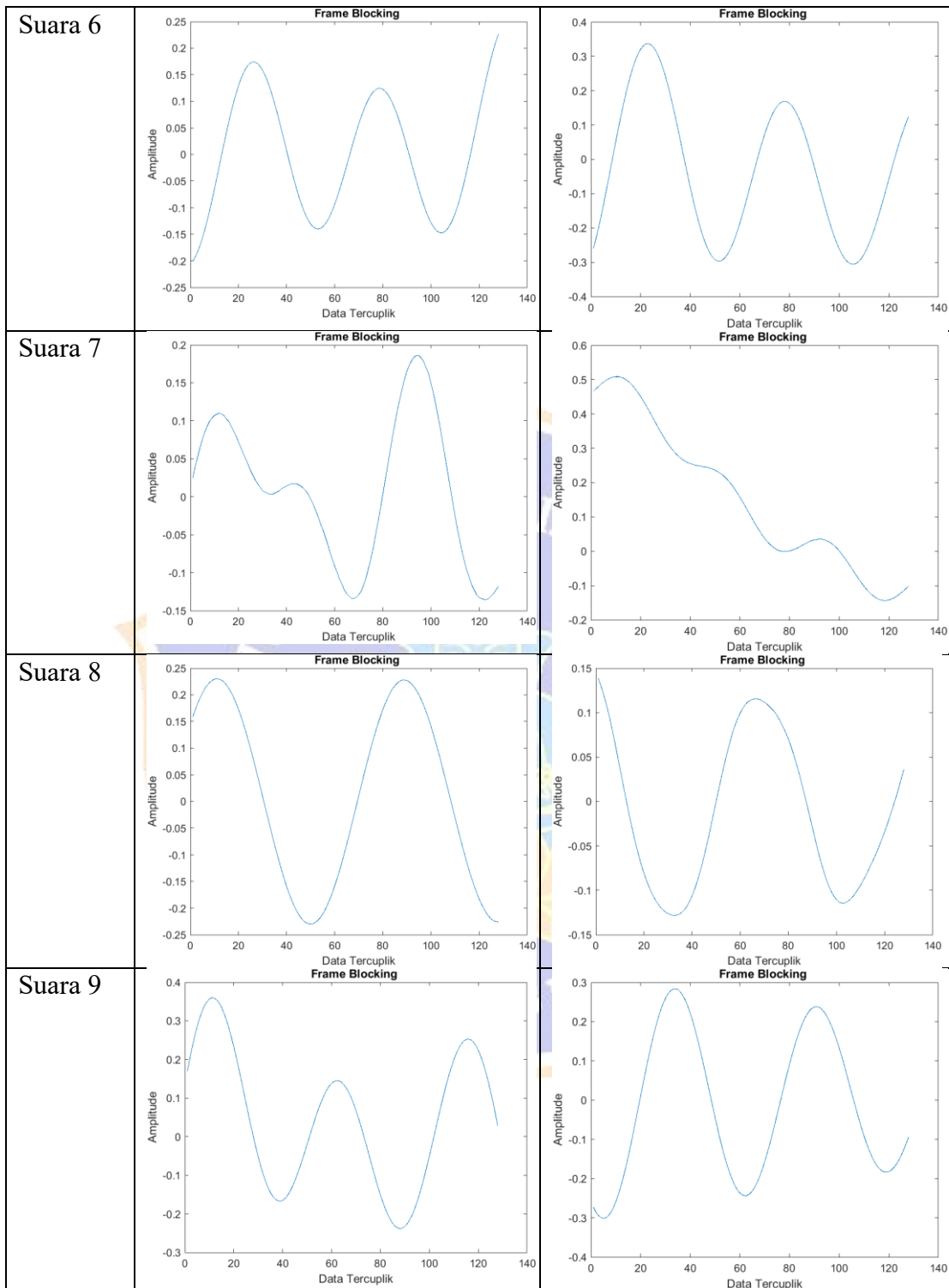


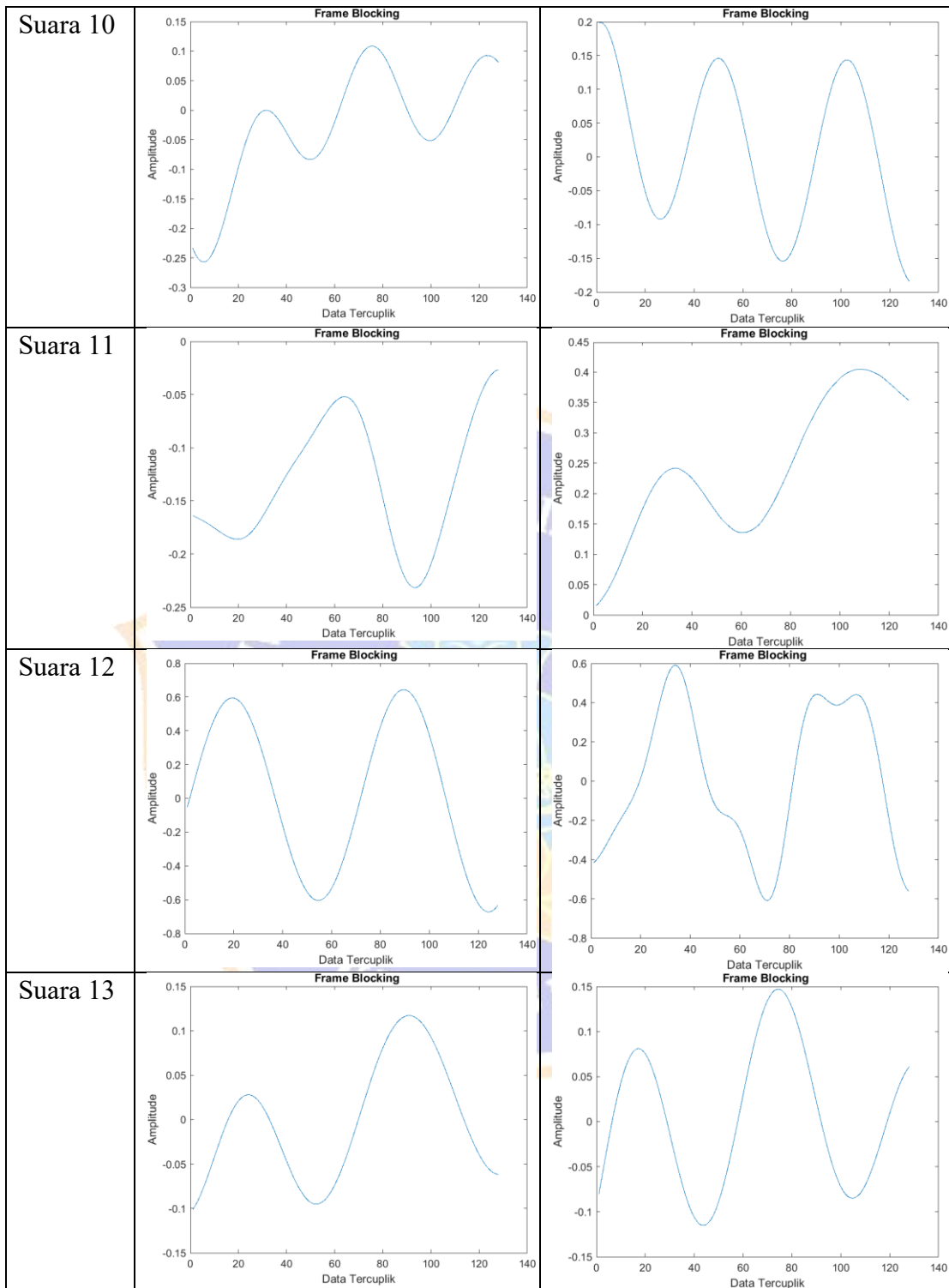


Lampiran 8 *Frame Blocking Sampling 2fm dan 3fm*

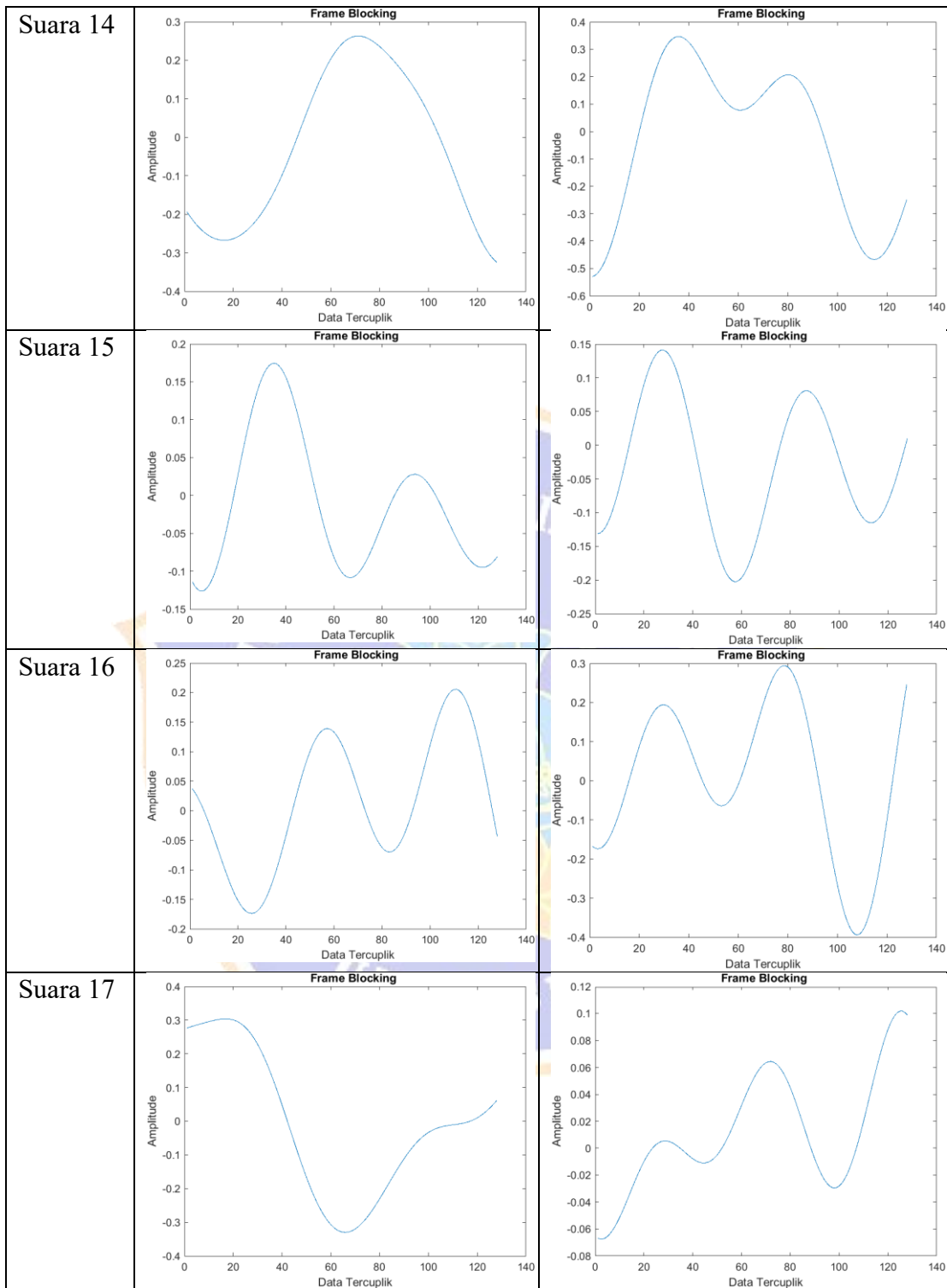


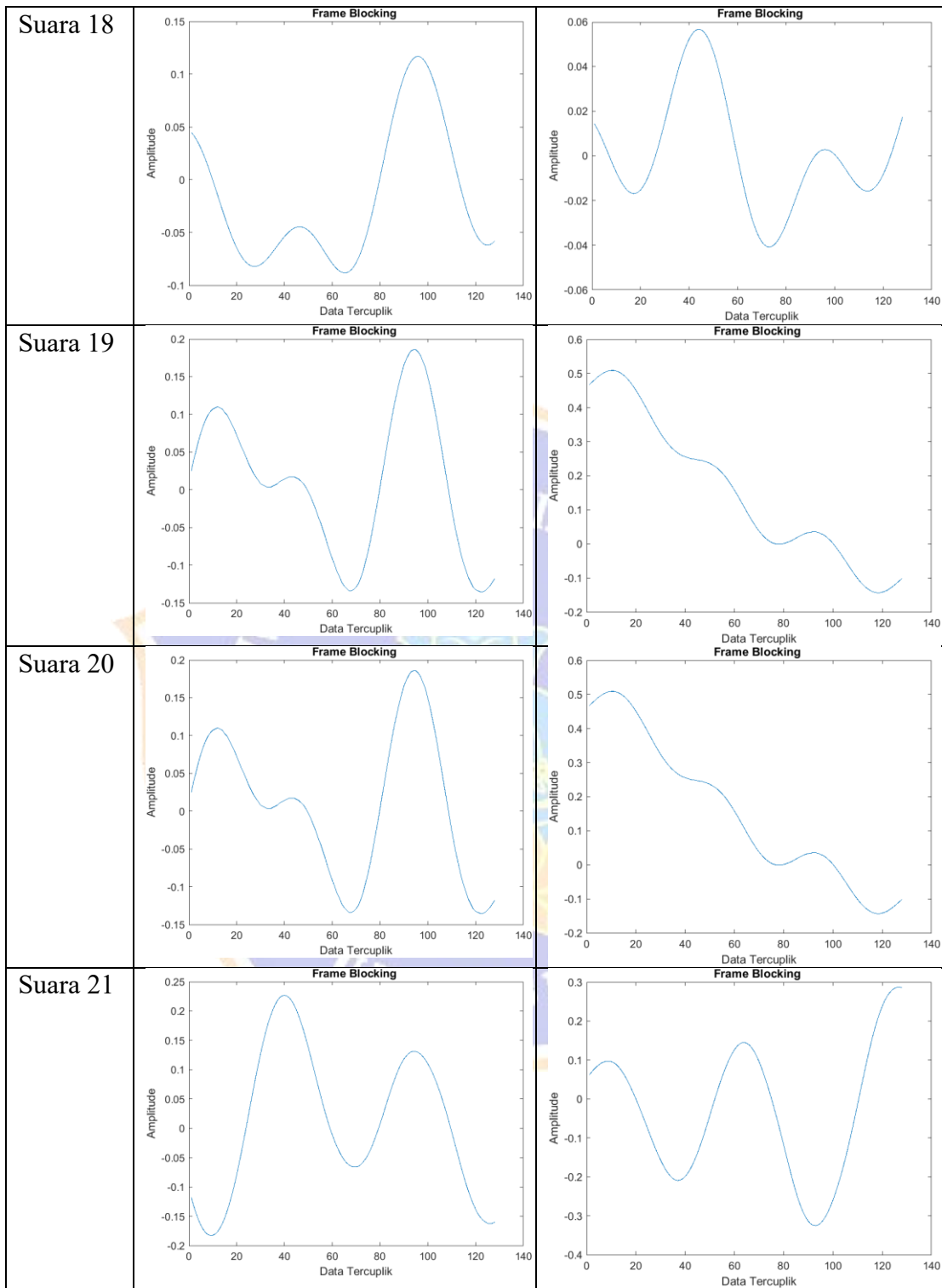


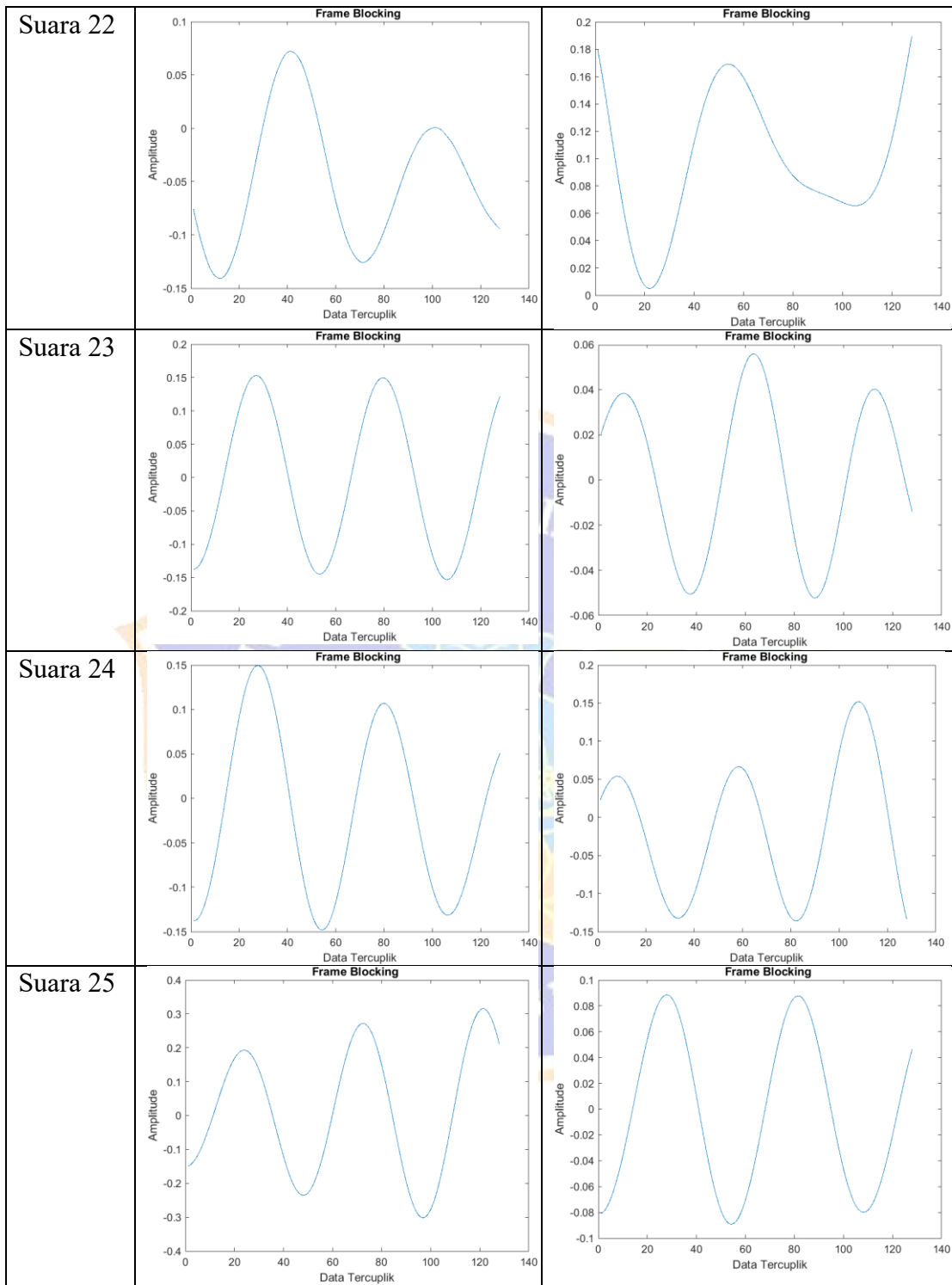




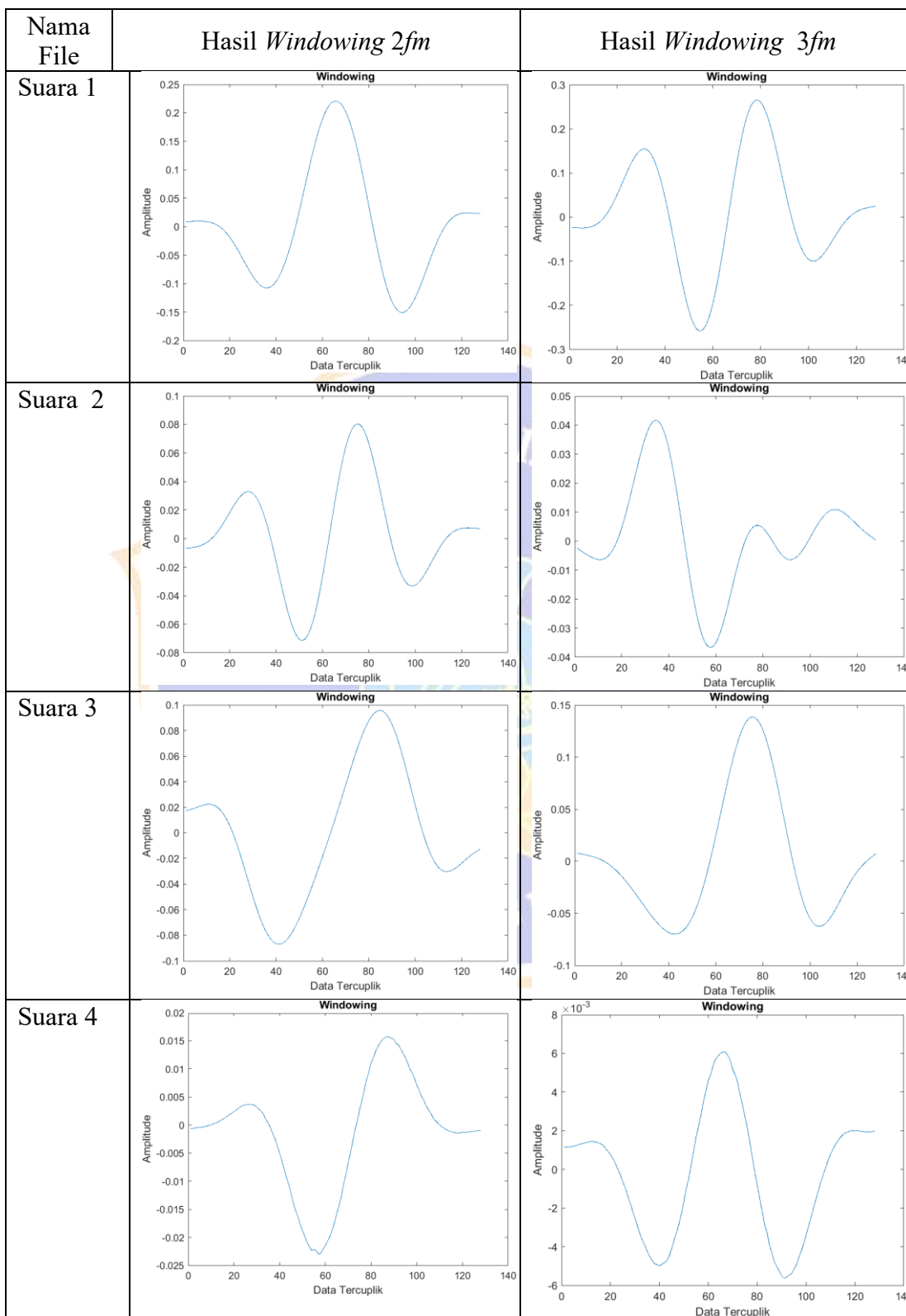


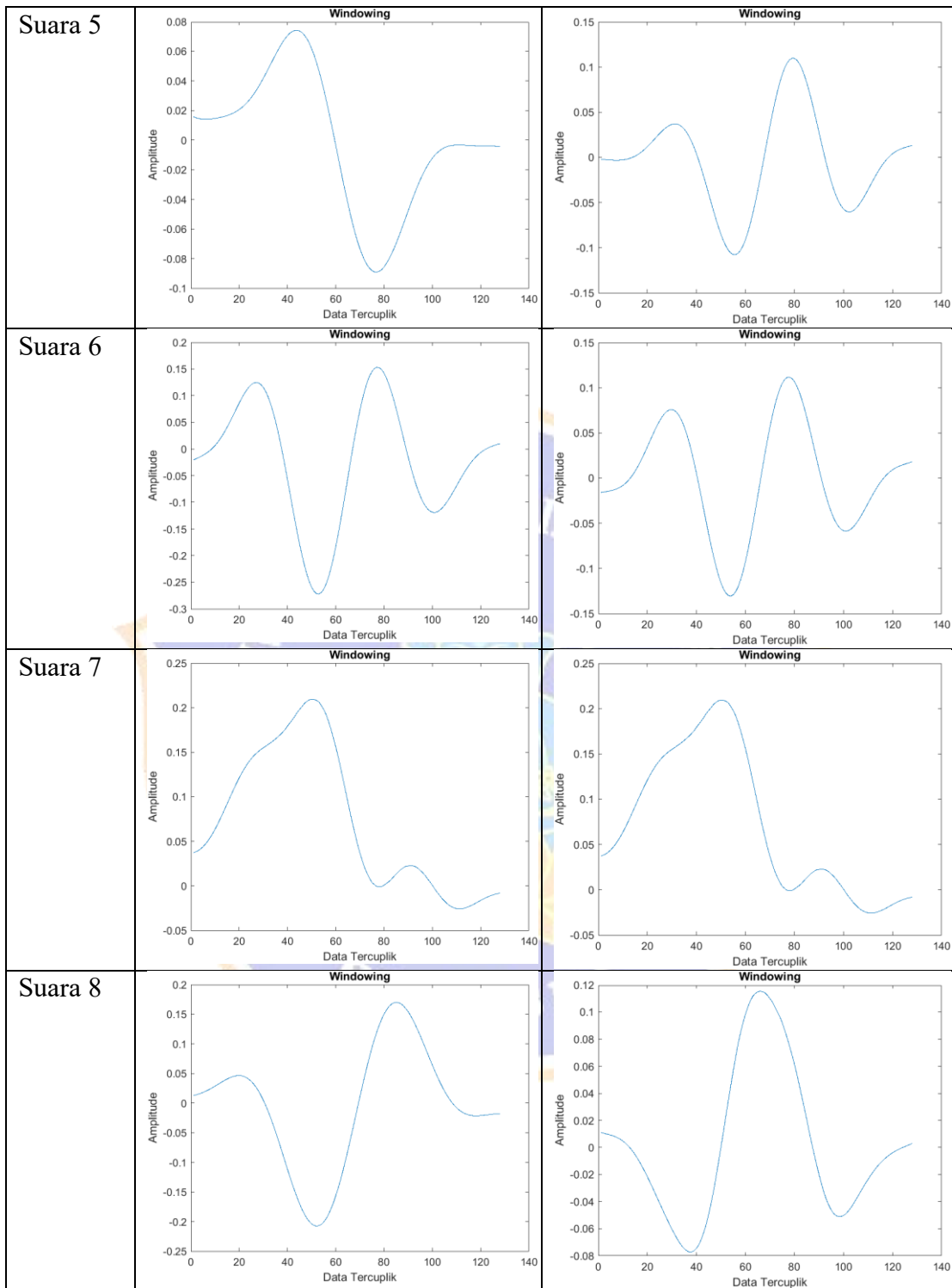


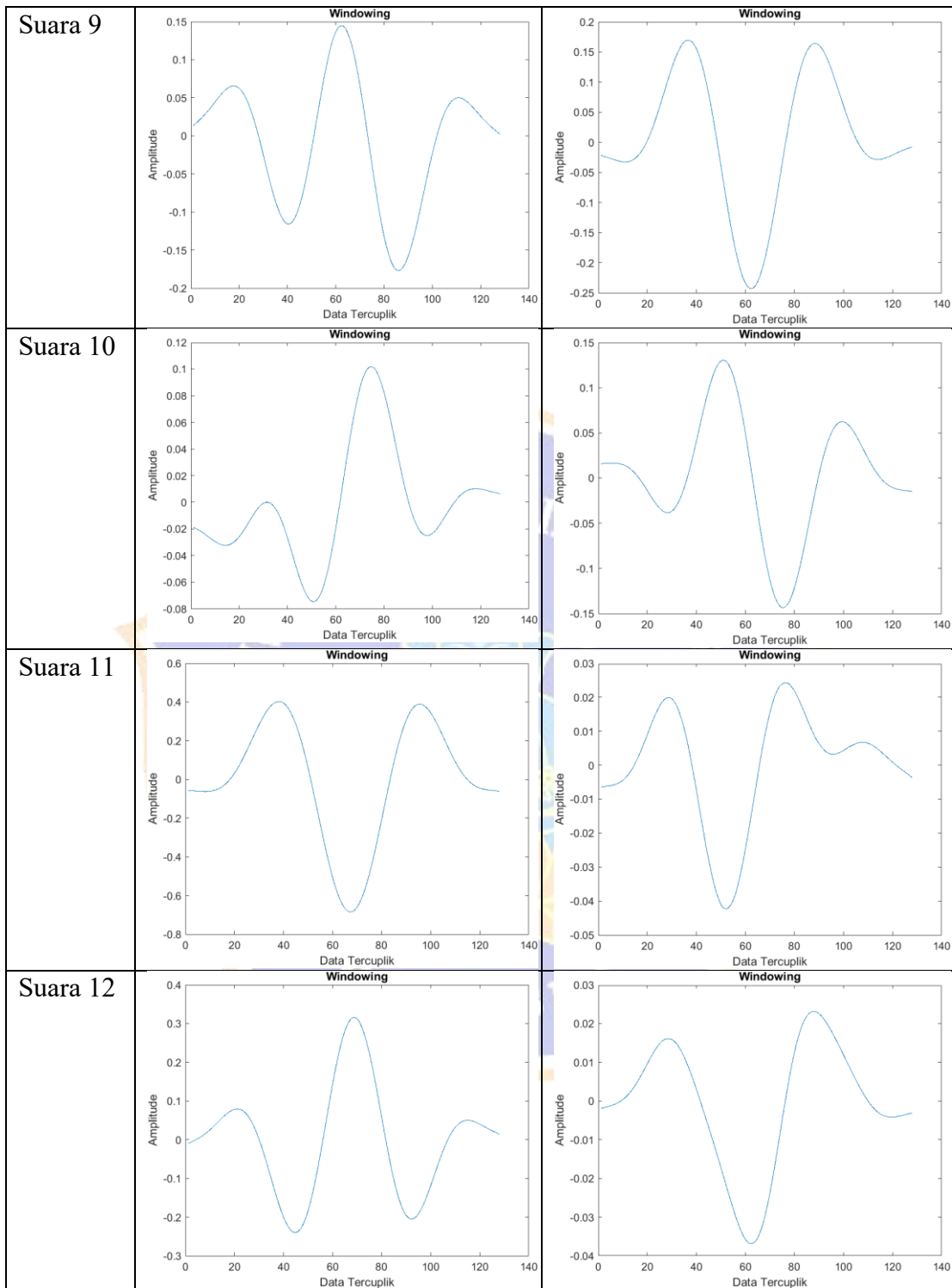


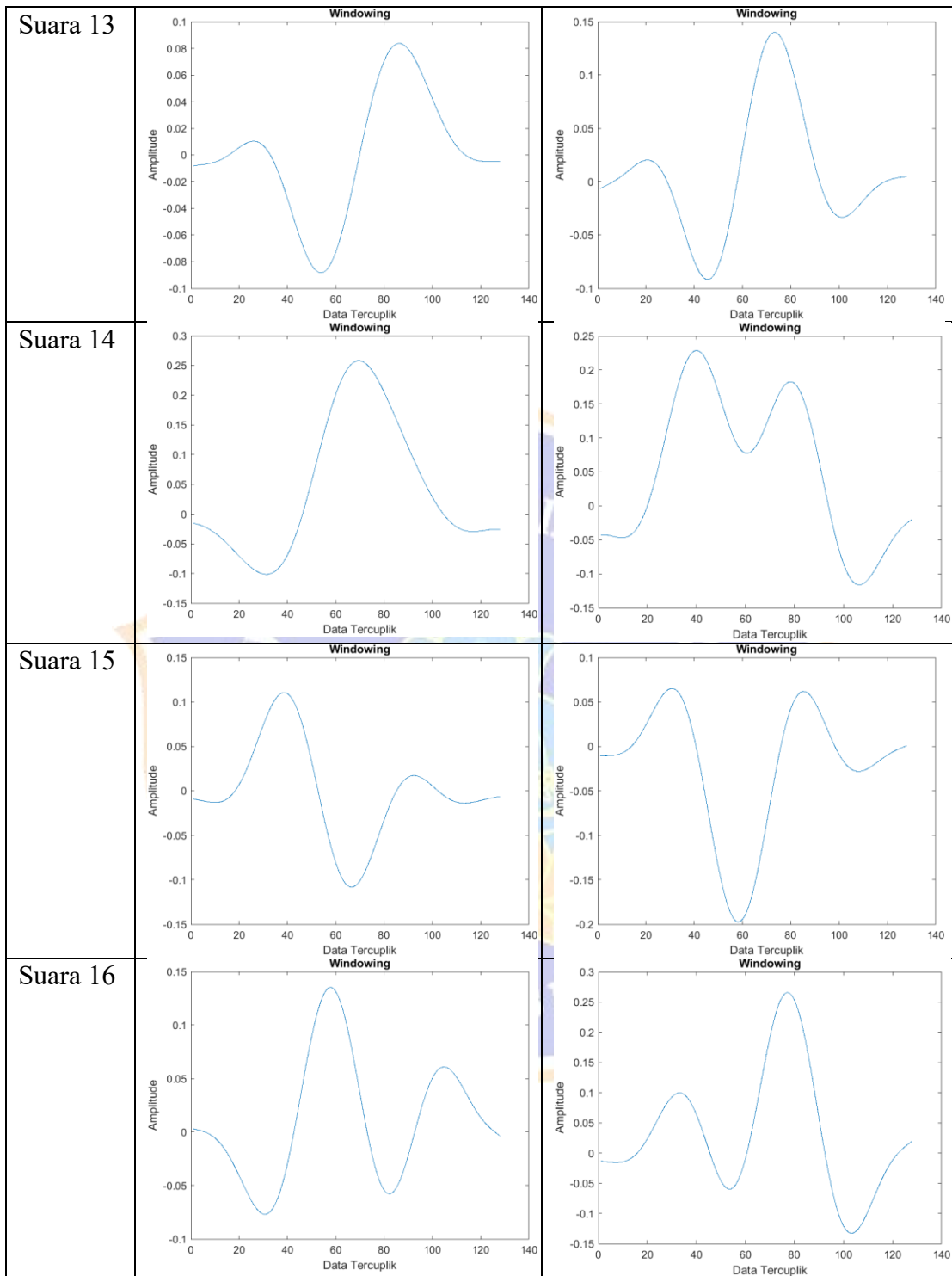


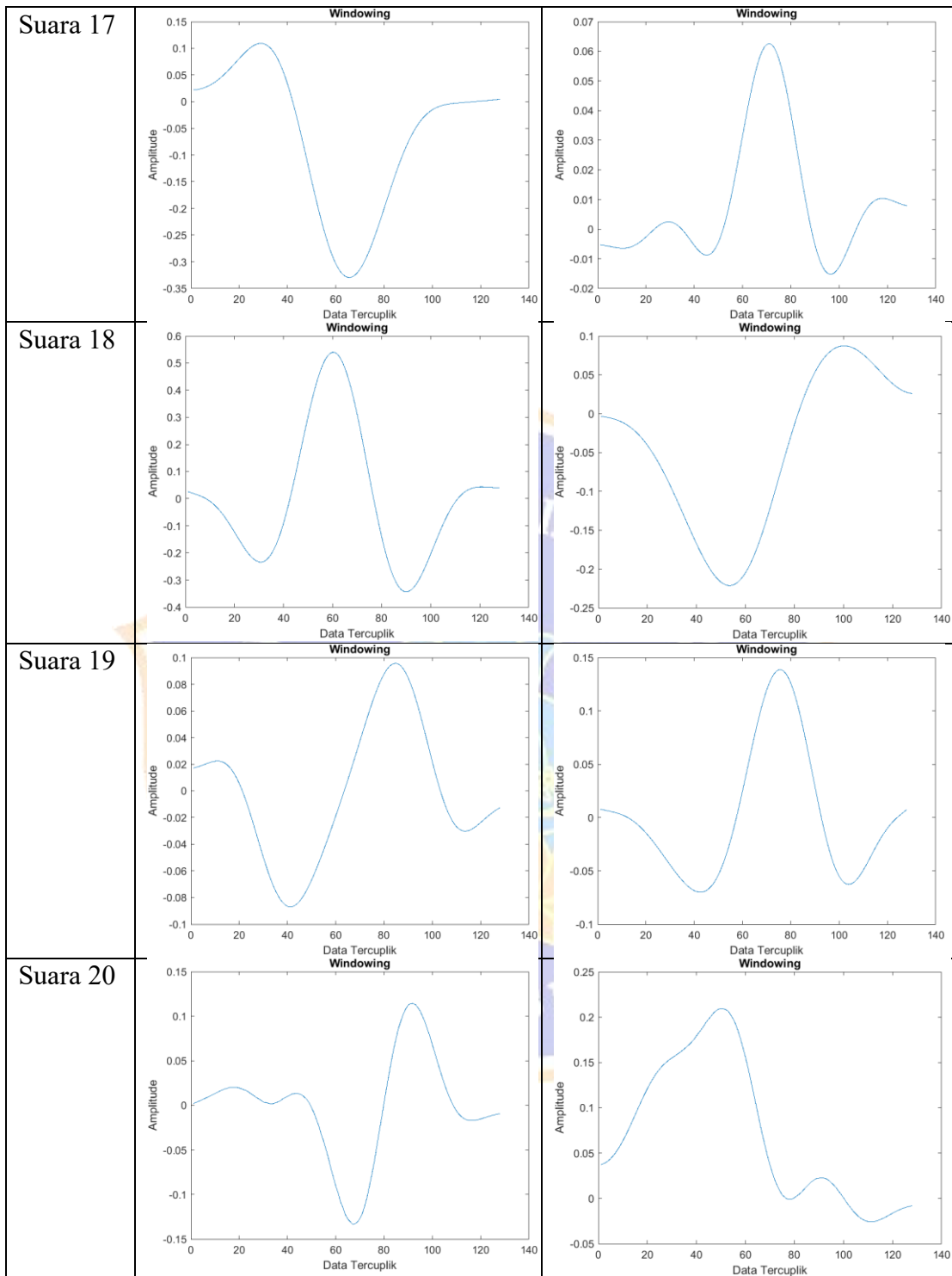
Lampiran 9 *Windowing 2fm dan 3fm*



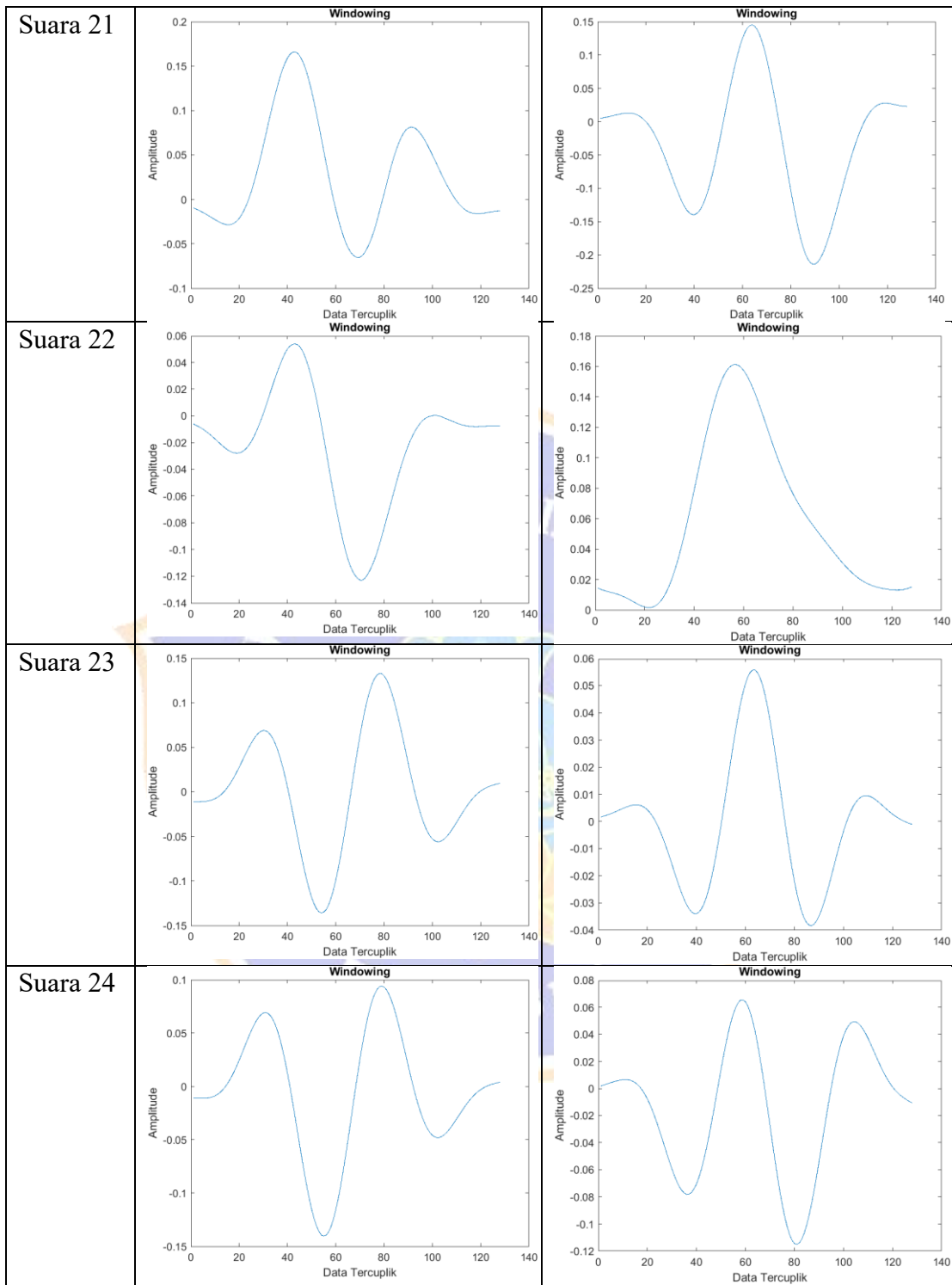


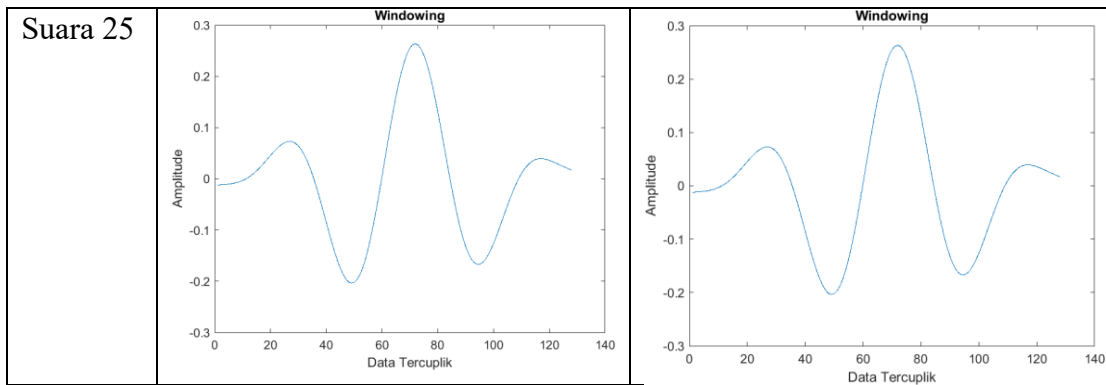




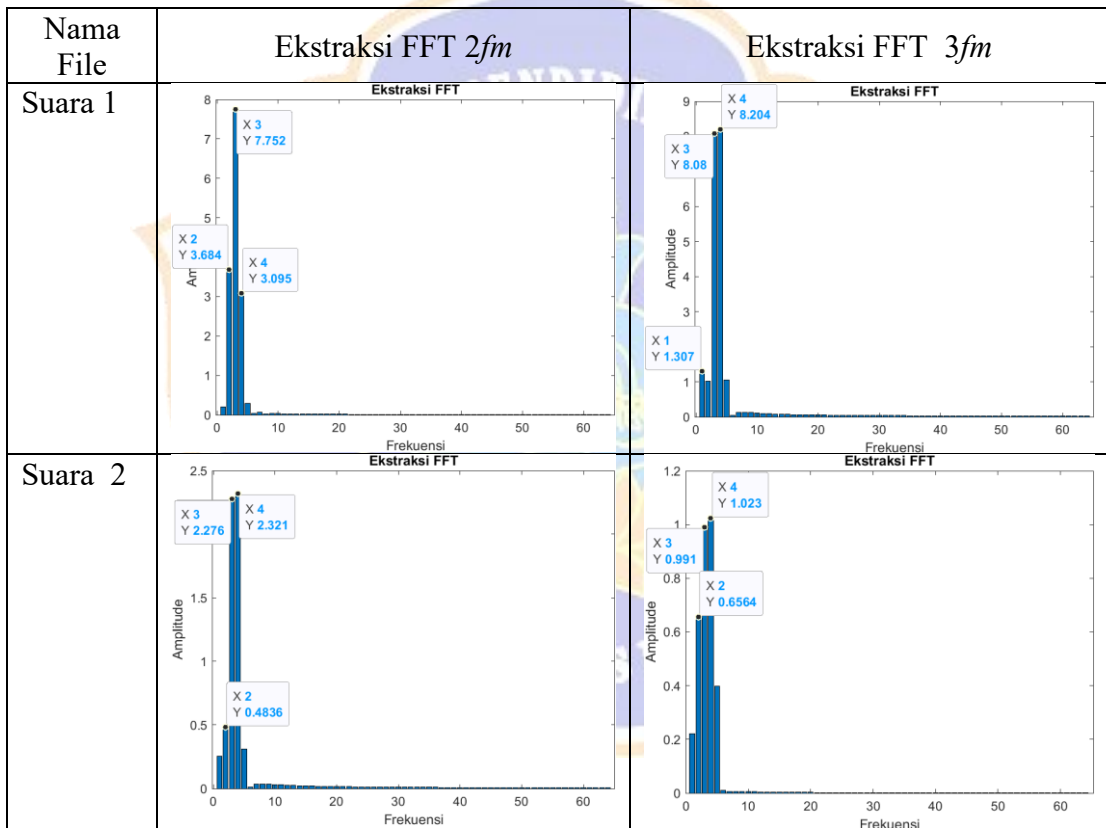


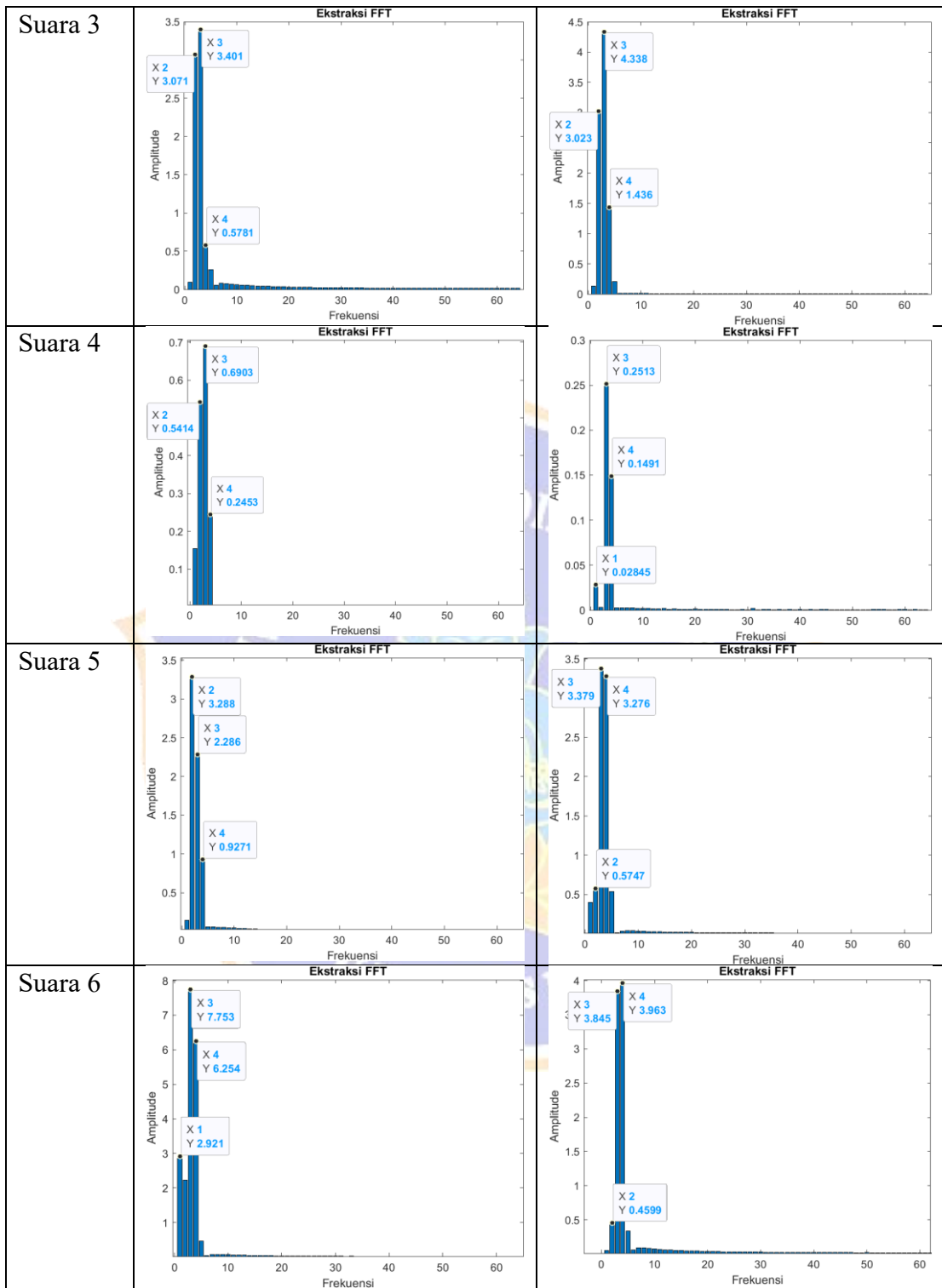


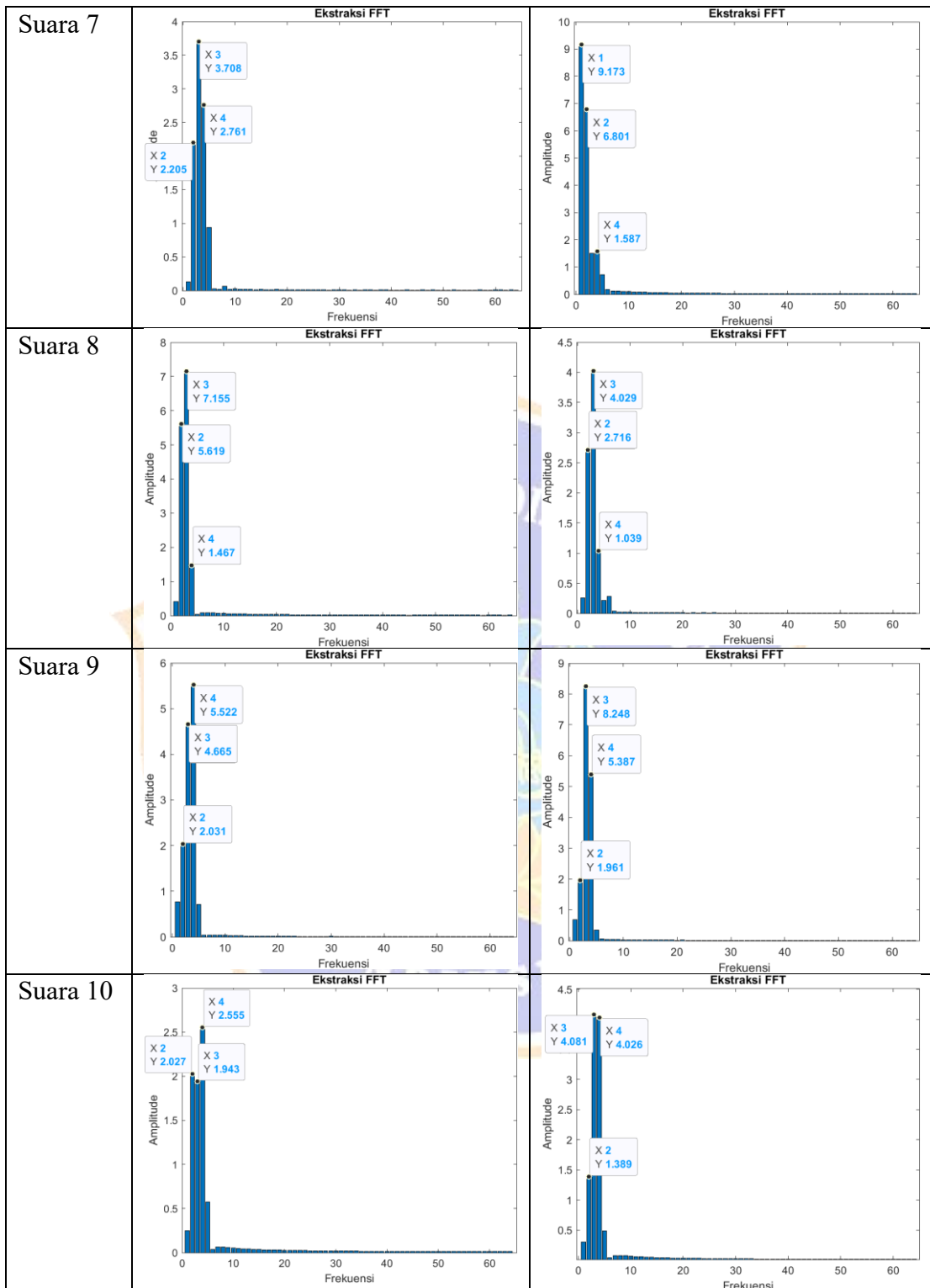


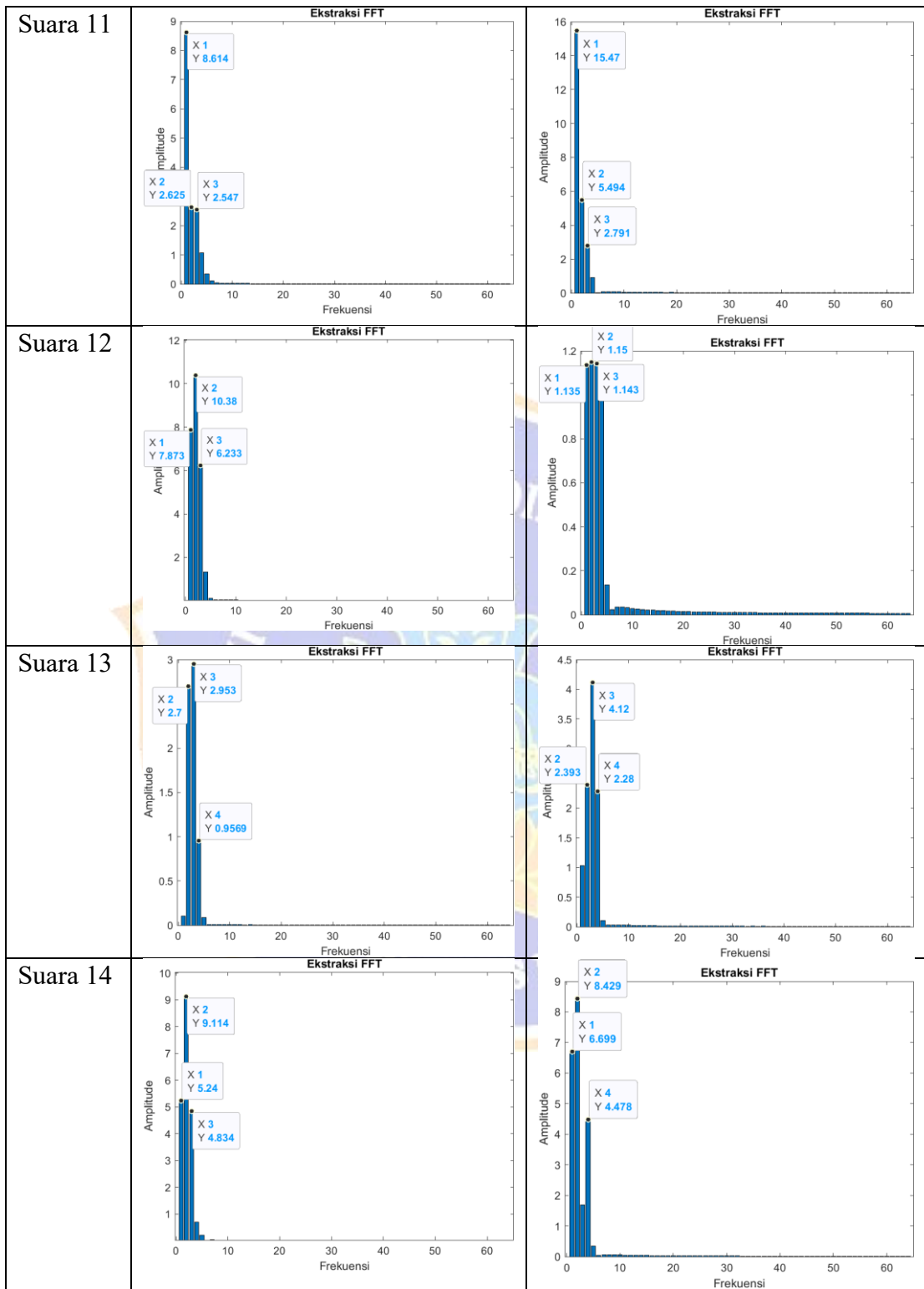


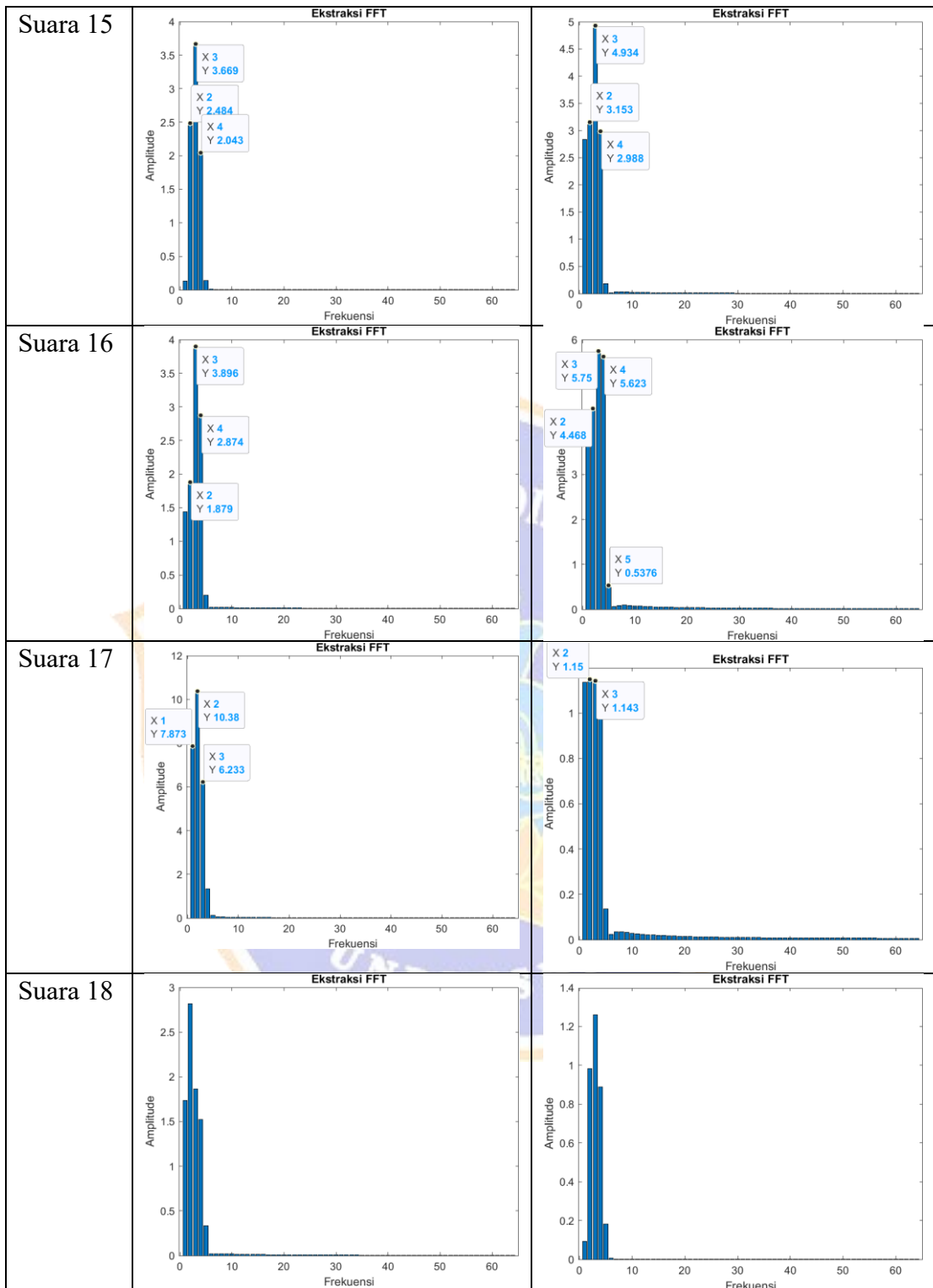
Lampiran 10 Ekstraksi FFT *Sampling 2fm* dan *3fm*

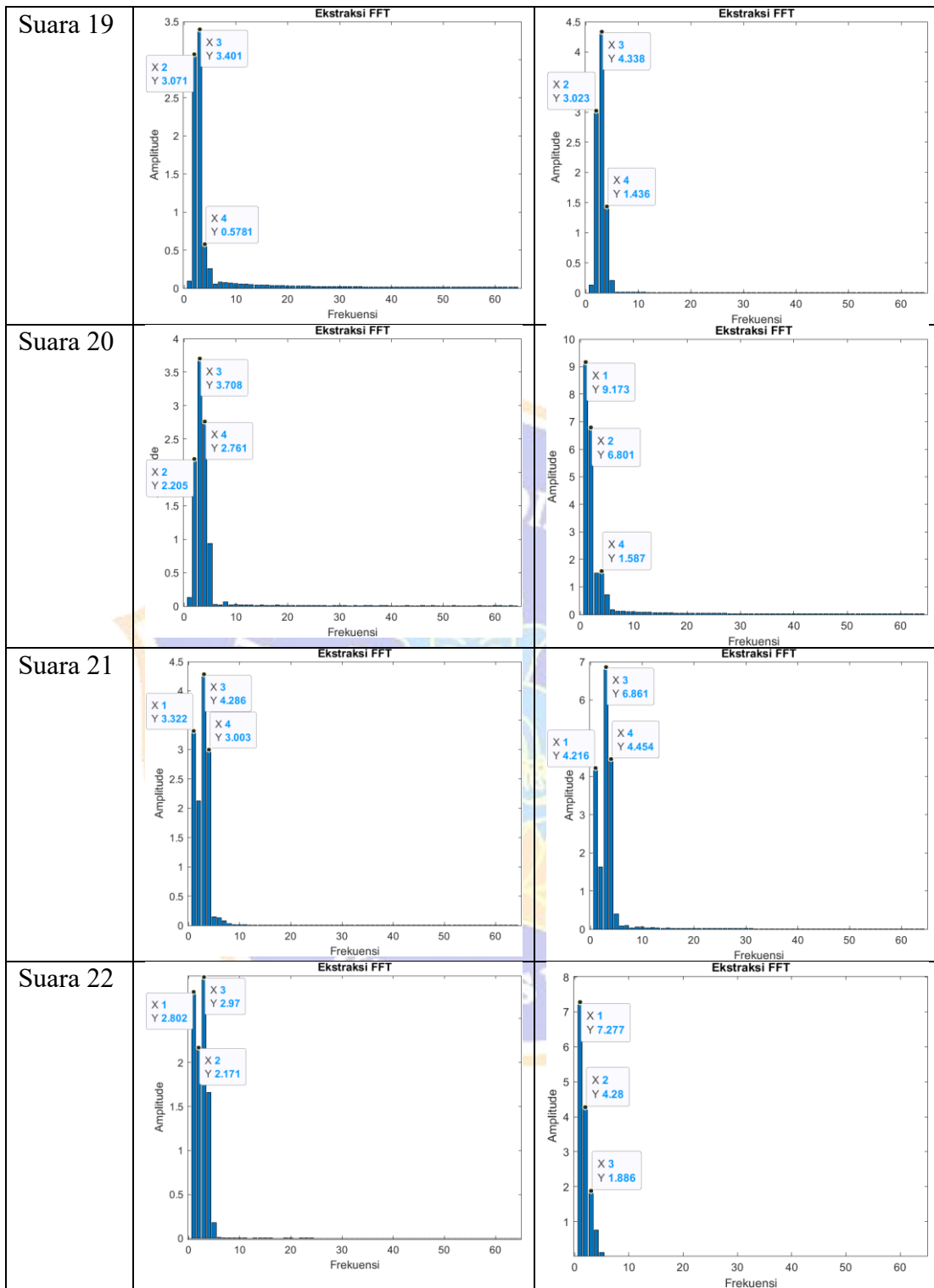


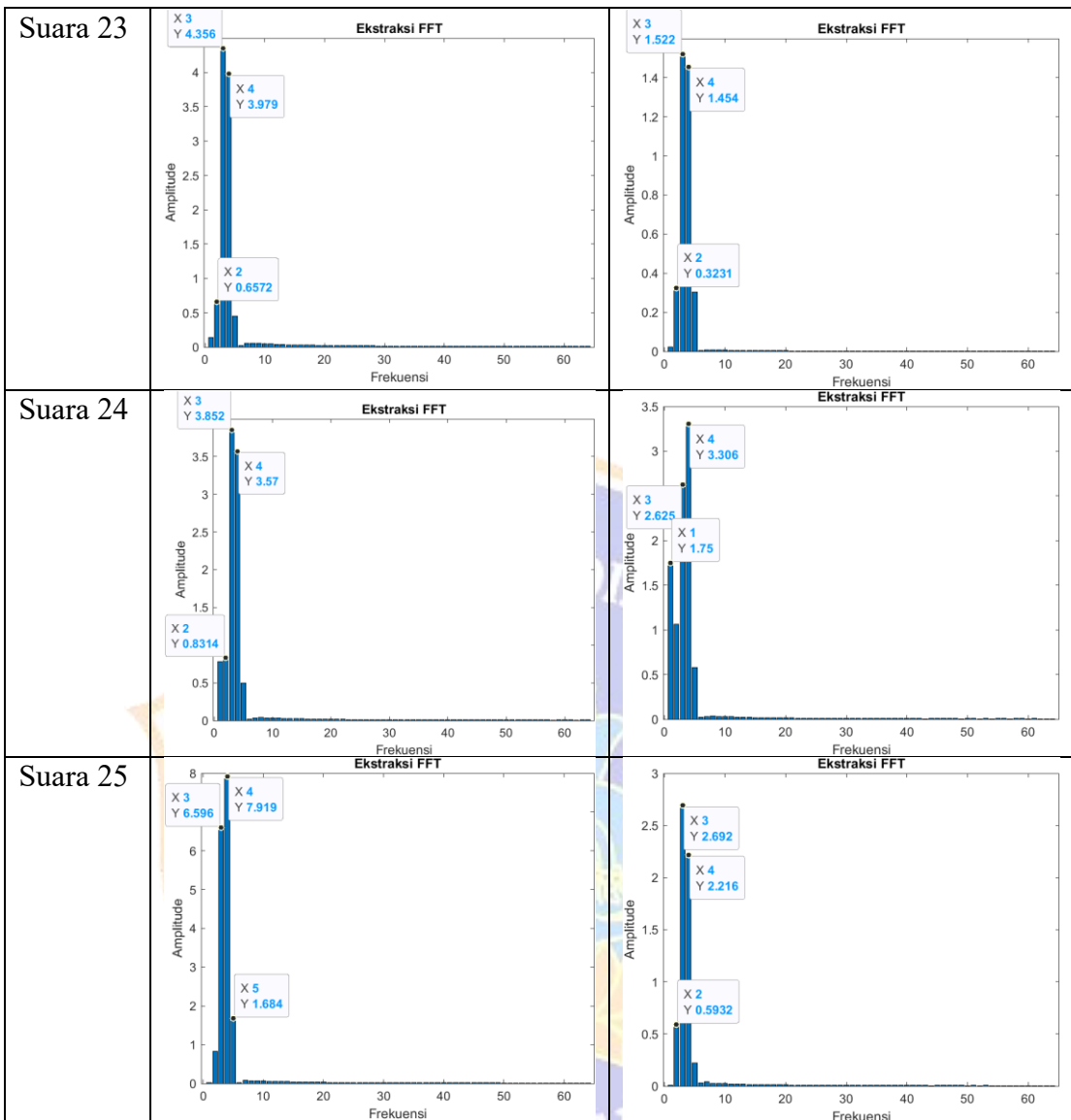








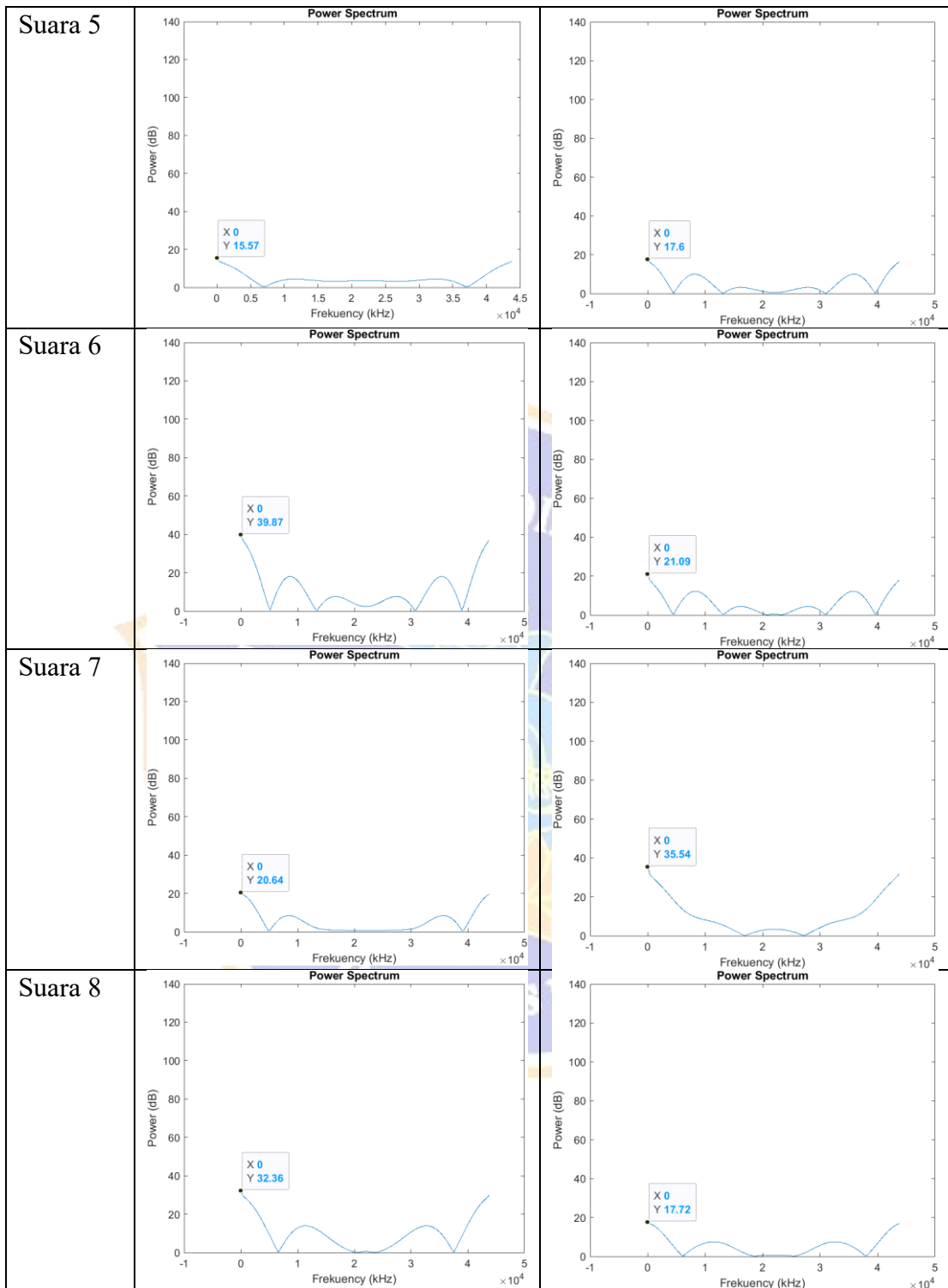


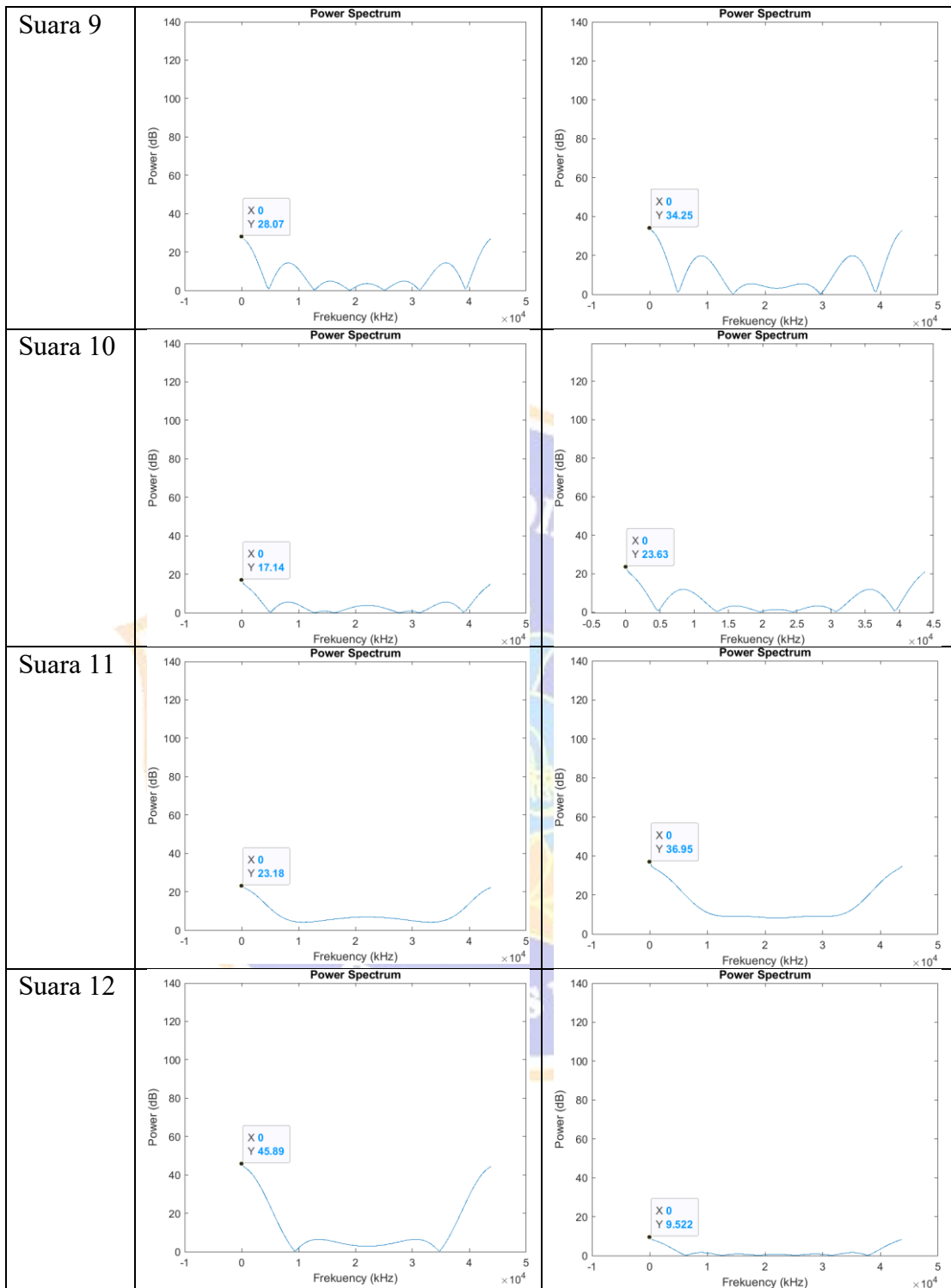


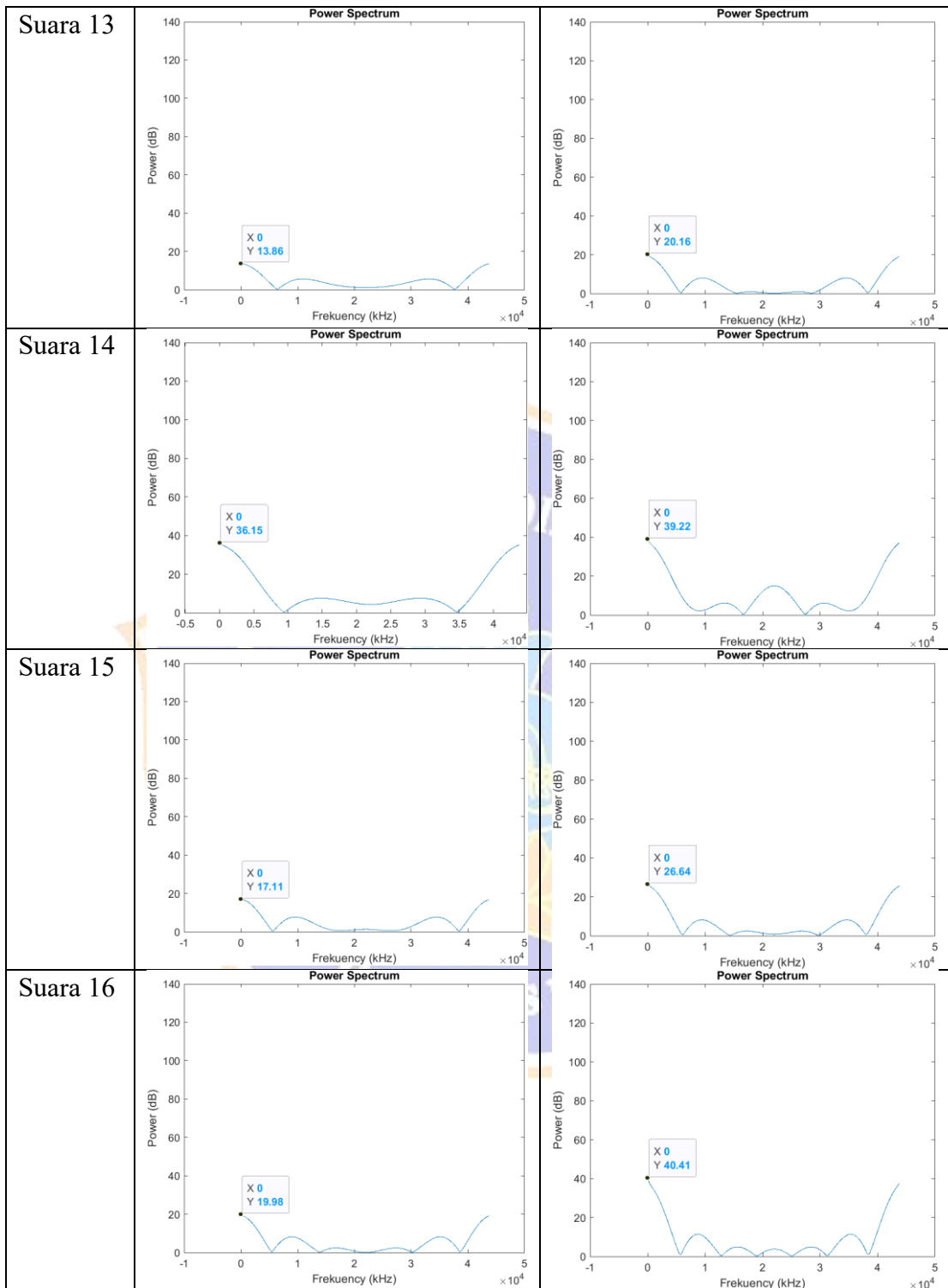


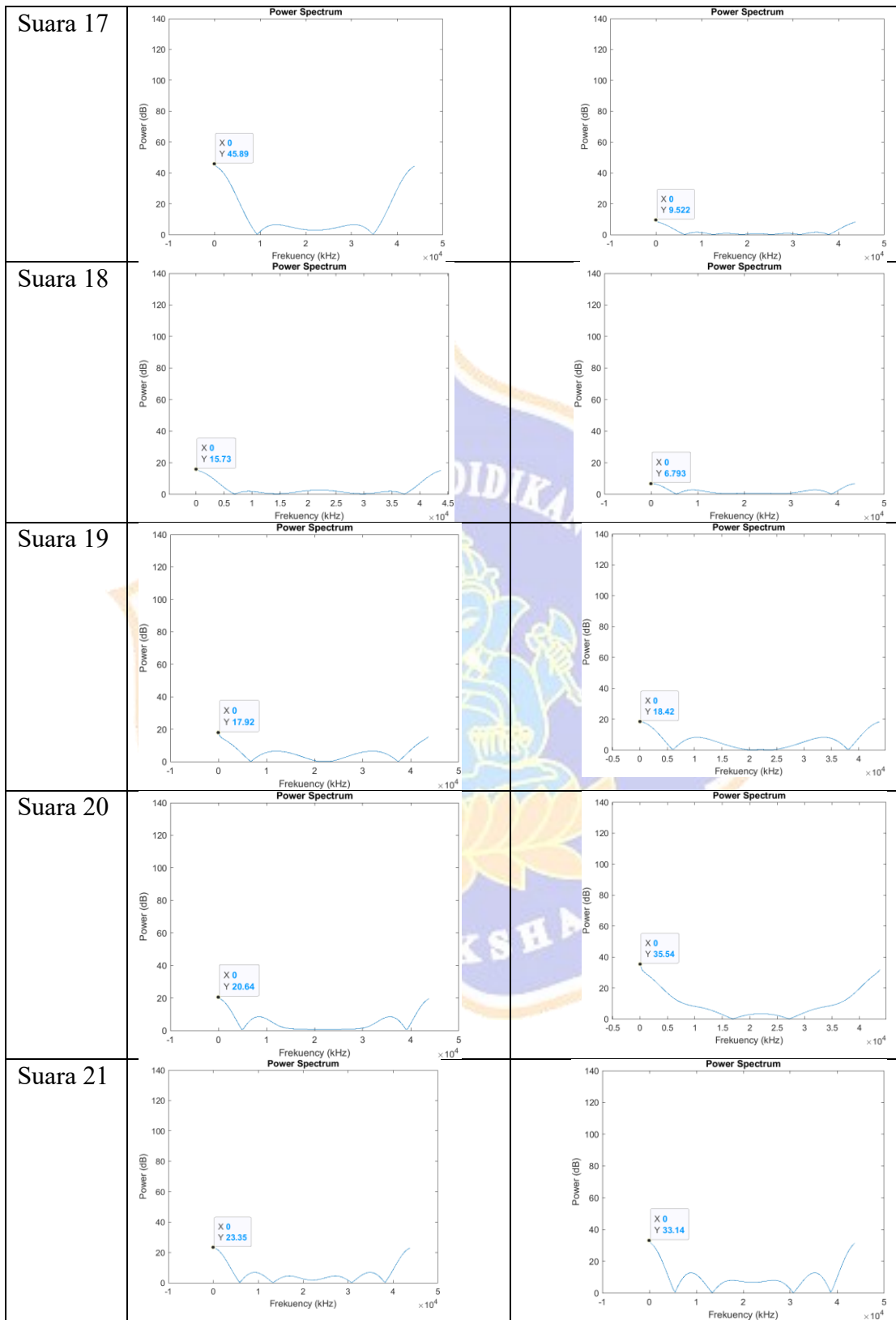
Lampiran 11 Besar Dicibel *Sampling 2fm* dan *3fm*

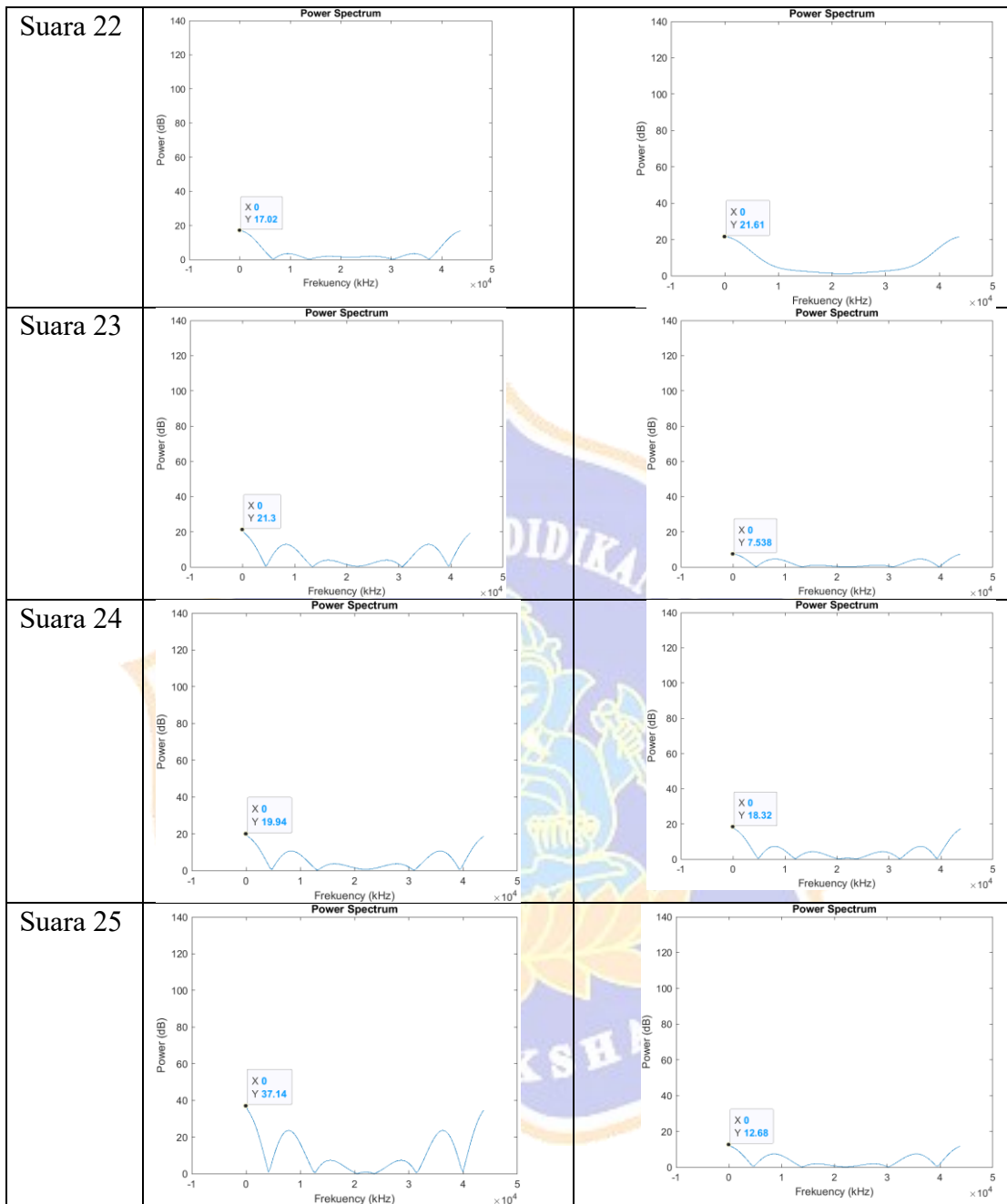
Nama File	Dicibel <i>2fm</i>	Dicibel <i>3fm</i>
Suara 1		
Suara 2		
Suara 3		
Suara 4		





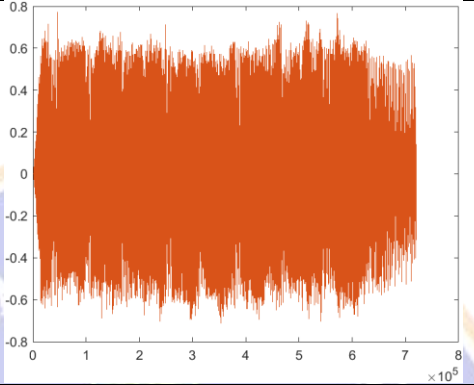
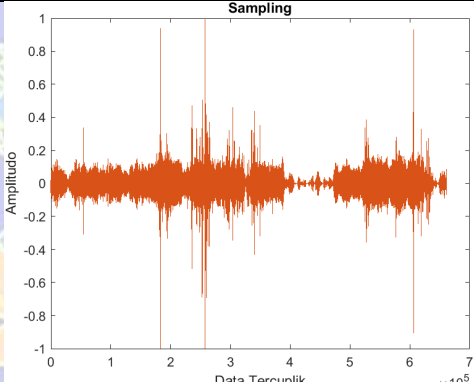
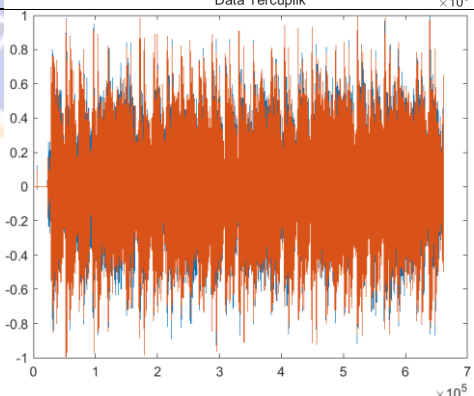


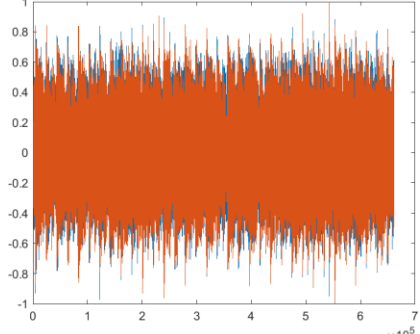
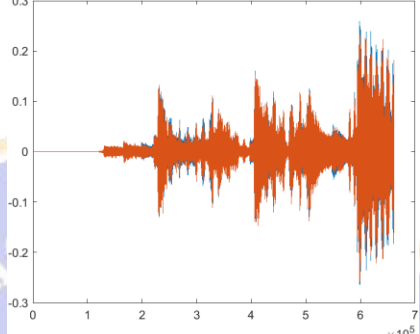
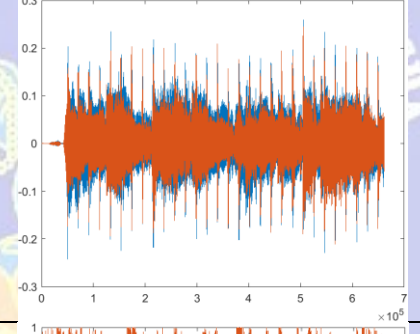
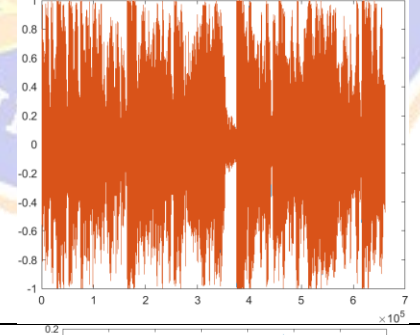
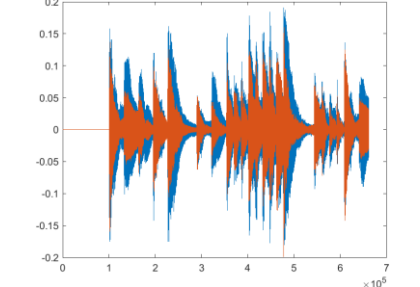




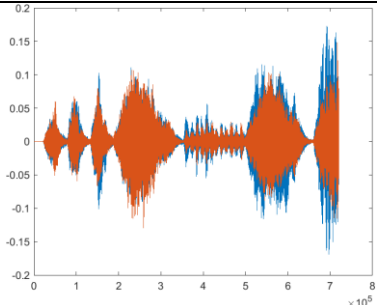
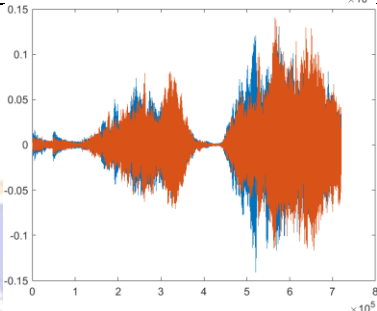
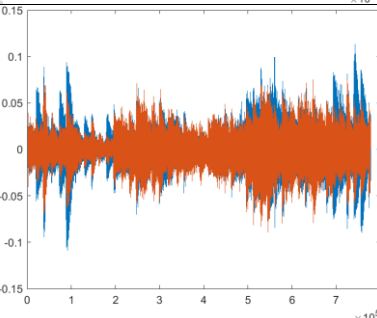
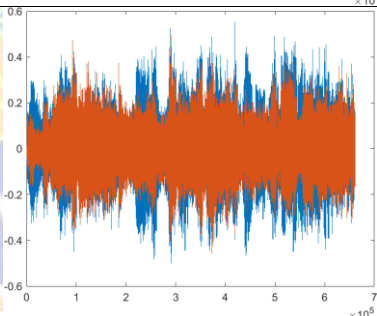
## PEMROSESAN SINYAL BUNYI PEMBANDING

Lampiran 12 Frekuensi *Original Audio Signal* Bunyi Pembanding

Nama File	<i>Original Auido Signal</i>	
	<i>Audio Signal</i>	<i>Frekuensi (Hz)</i>
Suara mesin pemotong kayu (gergaji mesin)		48000
Suara mesin pesawat terbang		44100
Lagu rock Boomerang (Generasiku)		44100

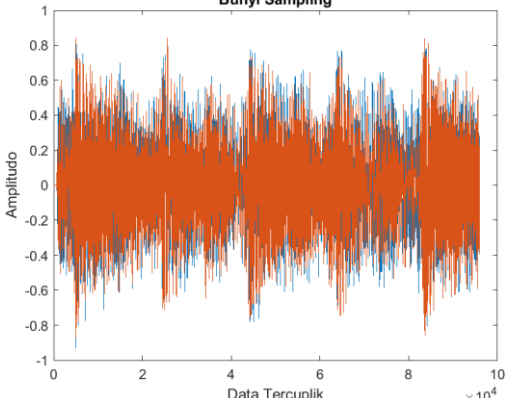
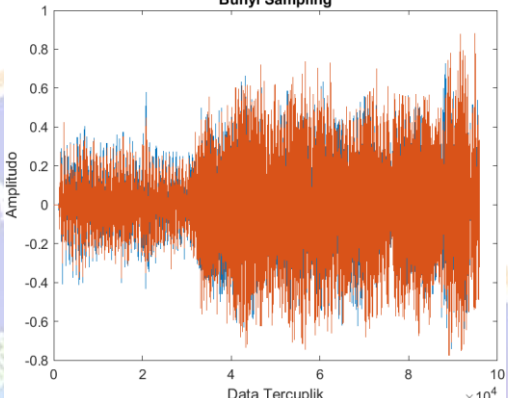
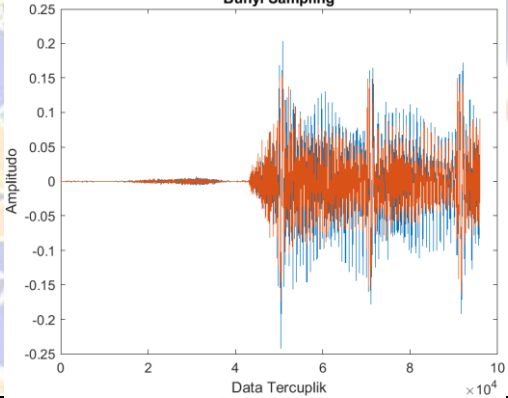
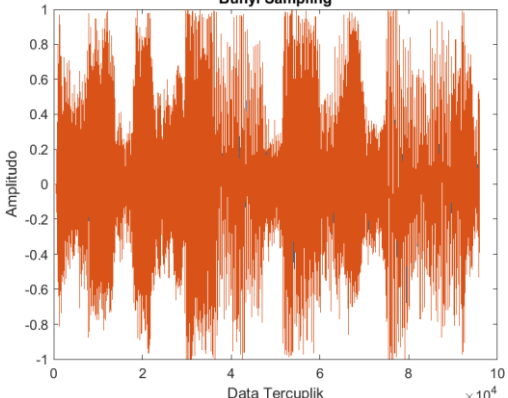
<p>Lagu rock Slipknot (Psychosocial)</p>		<p>44100</p>
<p>Musik Jawa Kutut Manggung</p>		<p>44100</p>
<p>Musik Pop Gita Gutawa - Parasit</p>		<p>44100</p>
<p>Musik Dangdut Rhroma Irama (Begadang)</p>		<p>44100</p>
<p>Musik Mozart untuk perkembangan otak bayi</p>		<p>44100</p>

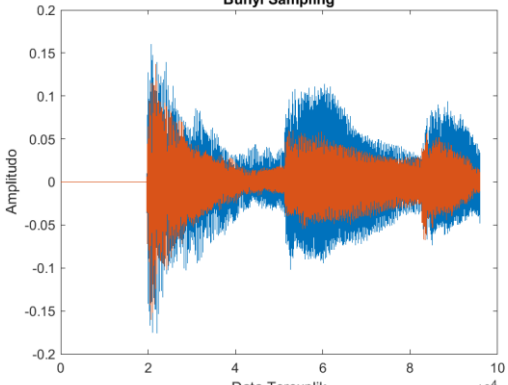
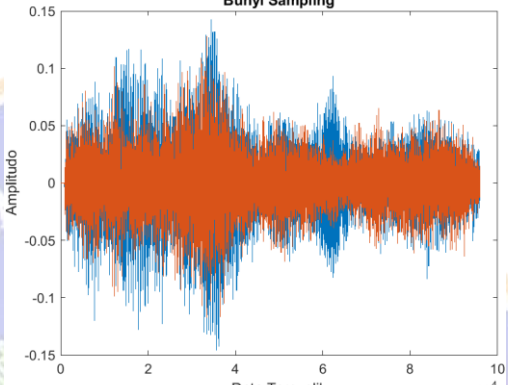
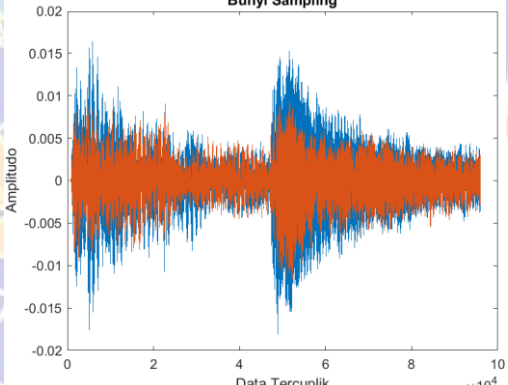
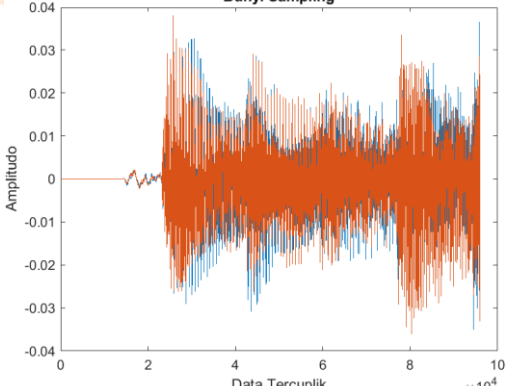


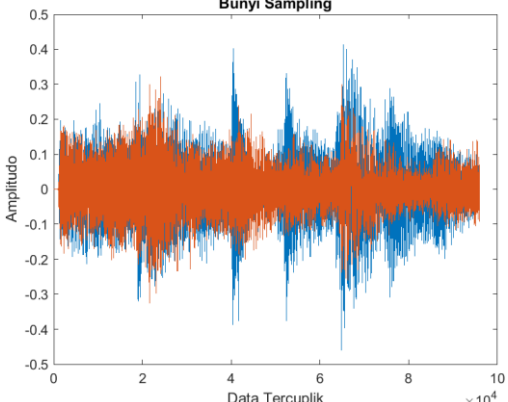
<p>Mozart Meditation Classical Relaxation</p>		<p>48000</p>
<p>Beethoven relaxation music</p>		<p>48000</p>
<p>Beethoven Music Moonlight Sonata Piano</p>		<p>48000</p>
<p>Tembang Jawa Ketawang Puspawarna</p>		<p>44100</p>

Lampiran 13 Frekuensi *Sampling 2fm* Bunyi Pemandangan

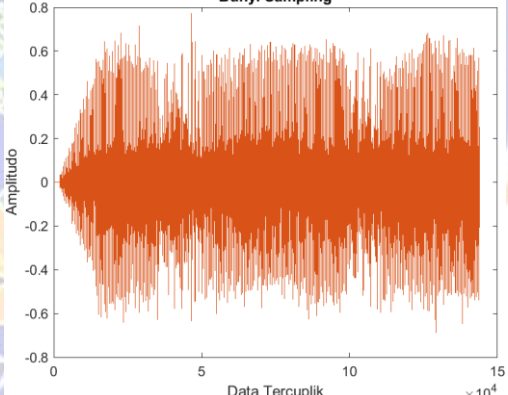
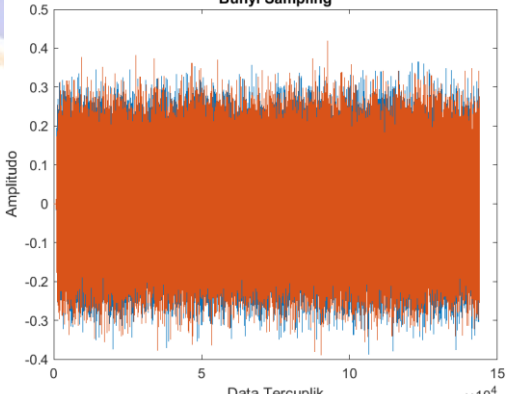
Nama File	Audio Signal Sampling	
	Audio Signal	Frekuensi (Hz)
Suara mesin pemotong kayu (gergaji mesin)		96000
Suara mesin pesawat terbang		96000
Lagu rock Boomerang (Generasiku)		96000

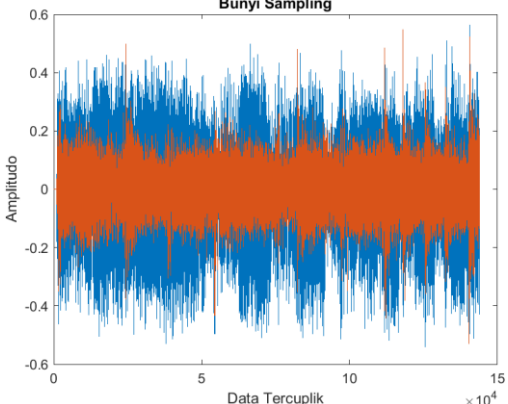
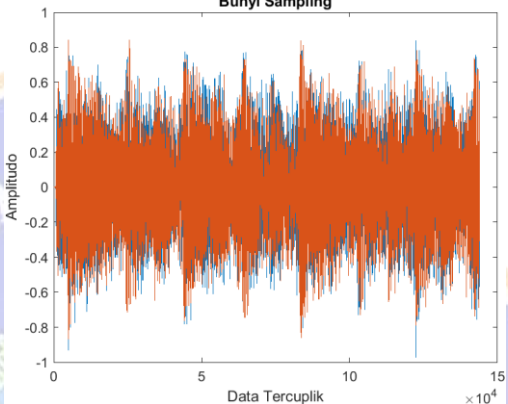
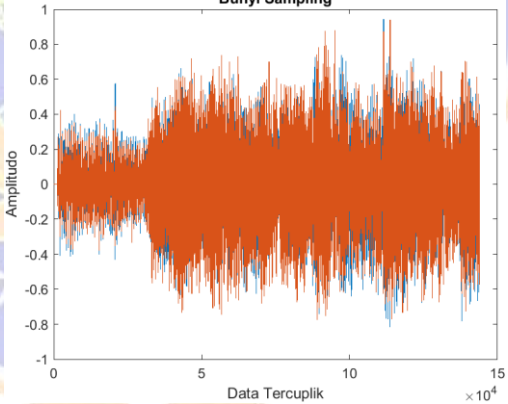
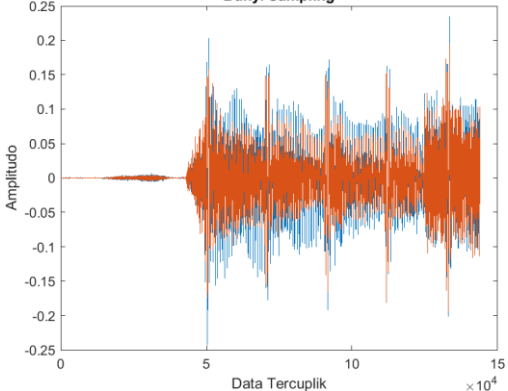
<p>Lagu rock Slipknot (Psychosocial)</p>		<p>96000</p>
<p>Musik Jawa Kutut Manggung</p>		<p>96000</p>
<p>Musik Pop Gita Gutawa - Parasit</p>		<p>96000</p>
<p>Musik Dangdut Rhoma Irama (Begadang)</p>		<p>96000</p>

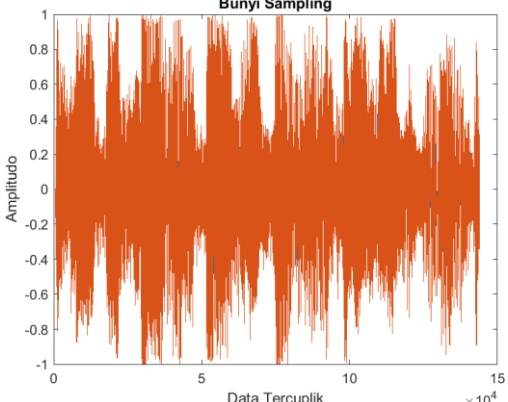
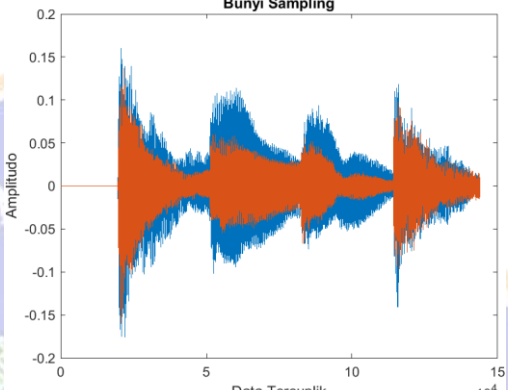
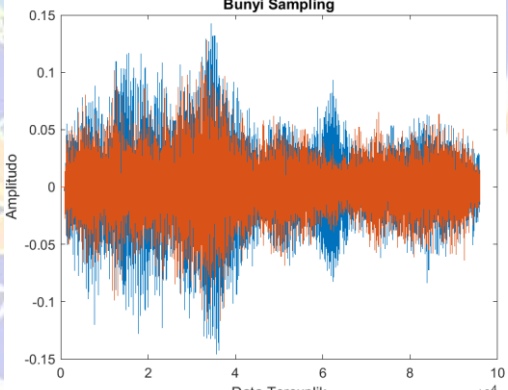
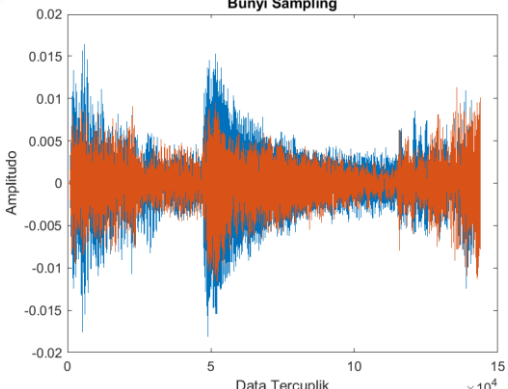
<p>Musik Mozart untuk perkembangan otak bayi</p>		<p>96000</p>
<p>Mozart Meditation Classical Relaxation</p>		<p>96000</p>
<p>Beethoven relaxation music</p>		<p>96000</p>
<p>Beethoven Music Moonlight Sonata Piano</p>		<p>96000</p>

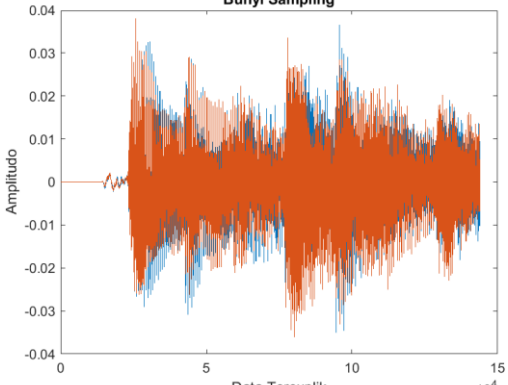
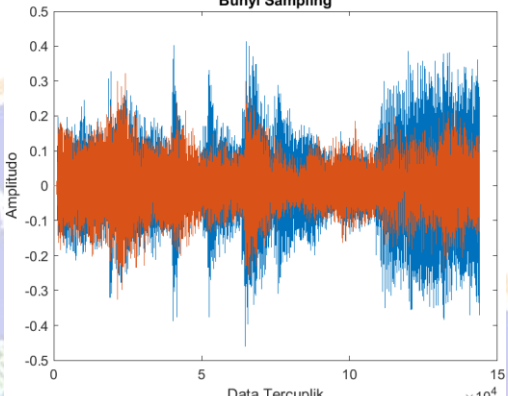
<p>Tembang Jawa Ketawang Puspawarna</p>		<p>96000</p>
---	--	--------------

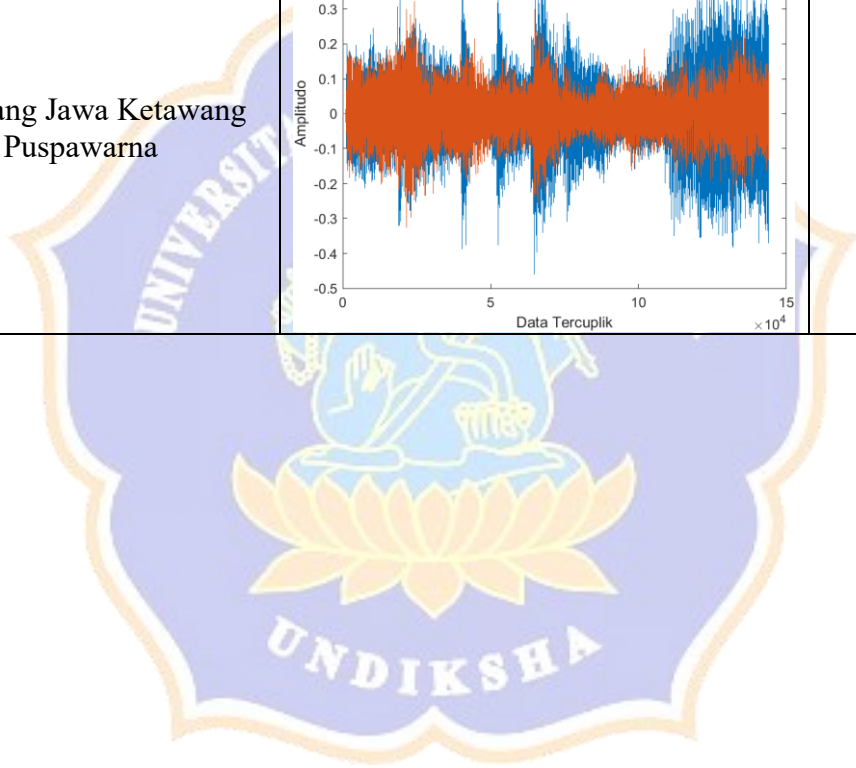
Lampiran 14 Frekuensi *Sampling 3fm* Bunyi Pembanding

Nama File	<i>Auido Signal Sampling</i>	
	<i>Audio Signal</i>	<i>Frekuensi (Hz)</i>
<p>Suara mesin pemotong kayu (gergaji mesin)</p>		<p>144000</p>
<p>Suara mesin pesawat terbang</p>		<p>144000</p>

<p>Lagu rock Boomerang (Generasiku)</p>		<p>144000</p>
<p>Lagu rock Slipknot (Psychosocial)</p>		<p>144000</p>
<p>Musik Jawa Kutut Manggung</p>		<p>144000</p>
<p>Musik Pop Gita Gutawa - Parasit</p>		<p>144000</p>

<p>Musik Dangdut Rhroma Irama (Begadang)</p>		<p>144000</p>
<p>Musik Mozart untuk perkembangan otak bayi</p>		<p>144000</p>
<p>Mozart Meditation Classical Relaxation</p>		<p>144000</p>
<p>Beethoven relaxation music</p>		<p>144000</p>

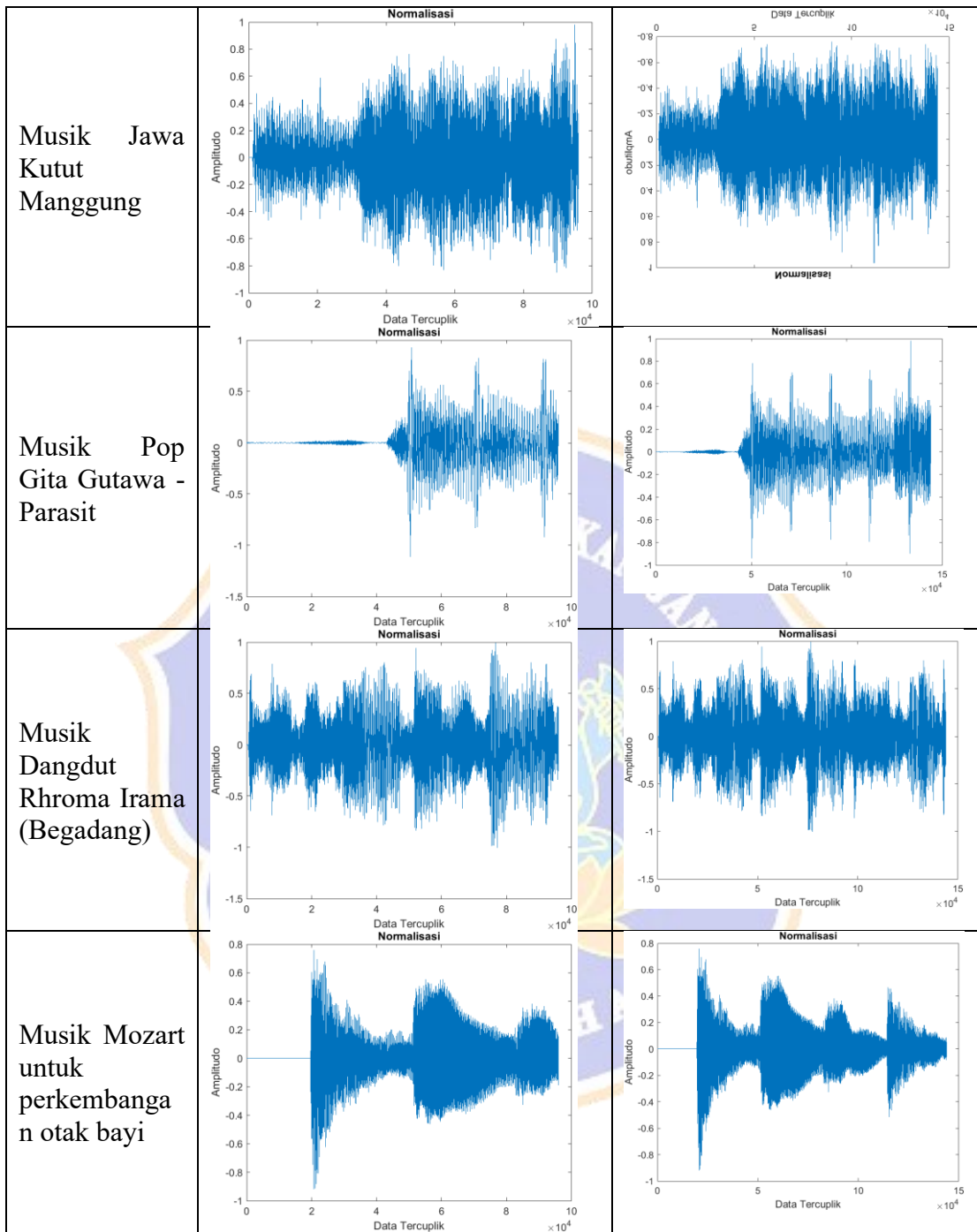
<p>Beethoven Music Moonlight Sonata Piano</p>		<p>144000</p>
<p>Tembang Jawa Ketawang Puspawarna</p>		<p>144000</p>

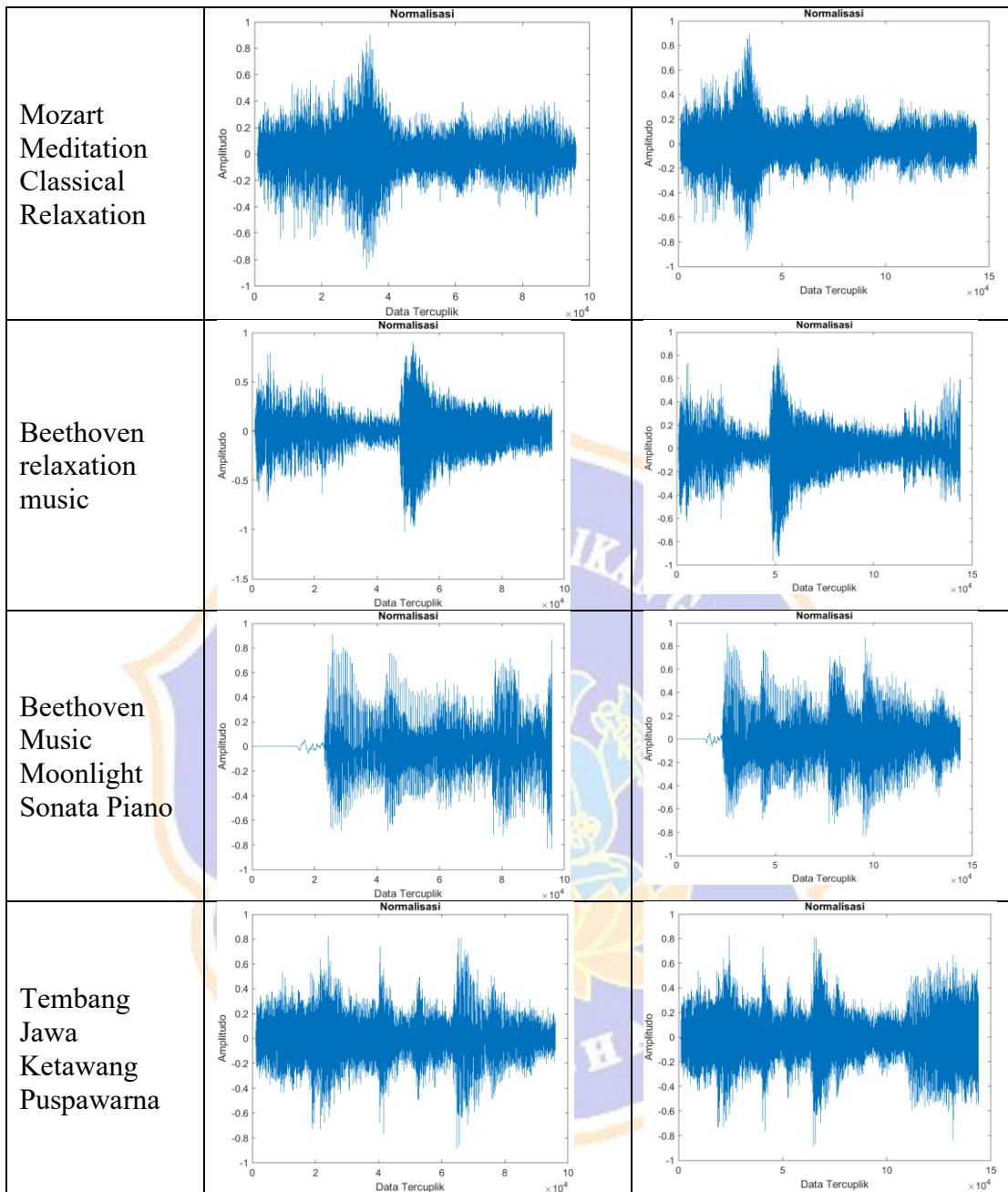




Lampiran 15 Normalisasi Data *Sampling 2fm* dan *3fm* Bunyi Pembanding

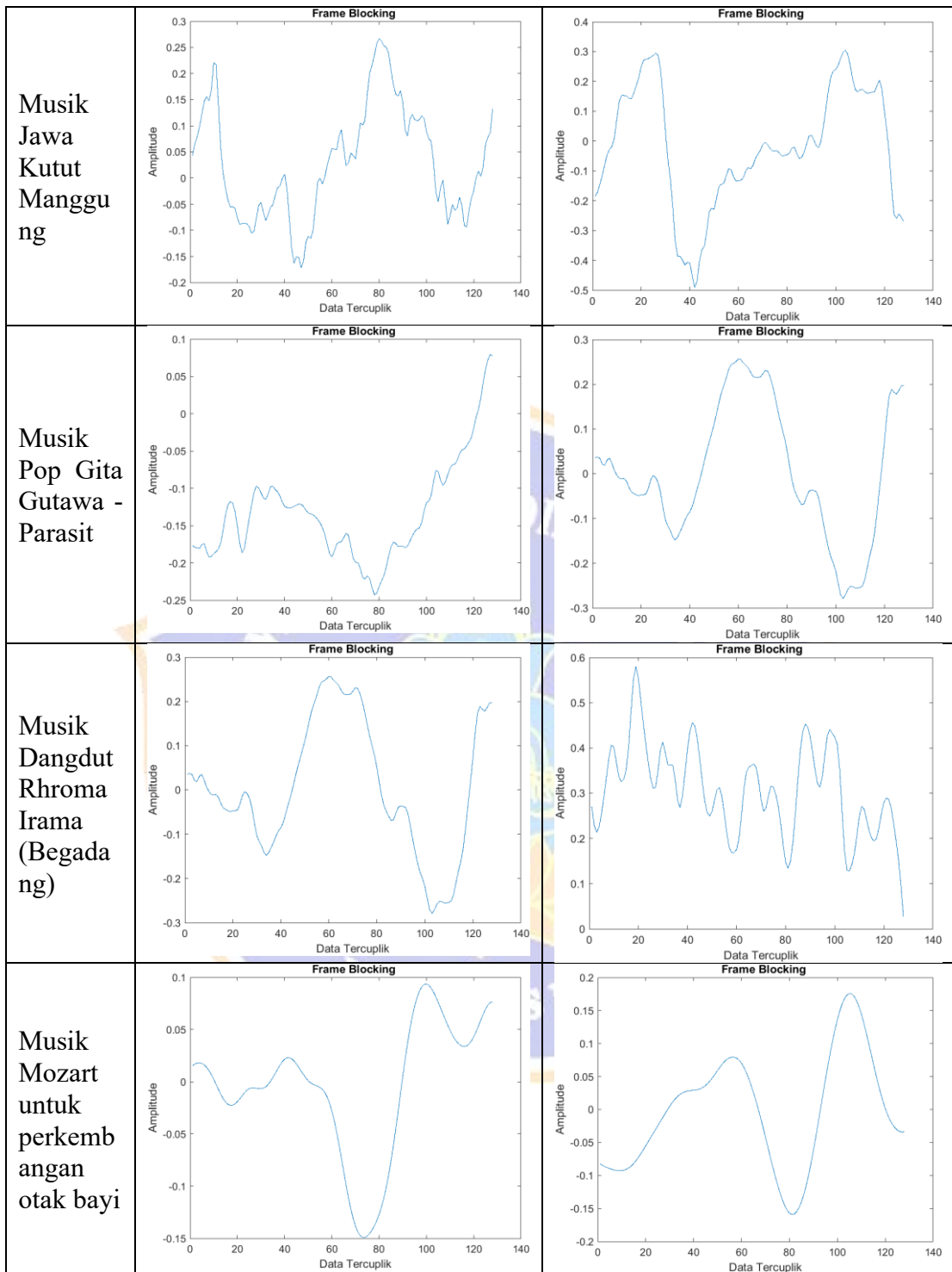
Nama File	Sinyal <i>Sampling 2fm</i>	Sinyal <i>Sampling 3fm</i>
Suara mesin pemotong kayu (gergaji mesin)		
Suara mesin pesawat terbang		
Lagu rock Boomerang (Generasiku)		
Lagu rock Slipknot (Psychosocia)		

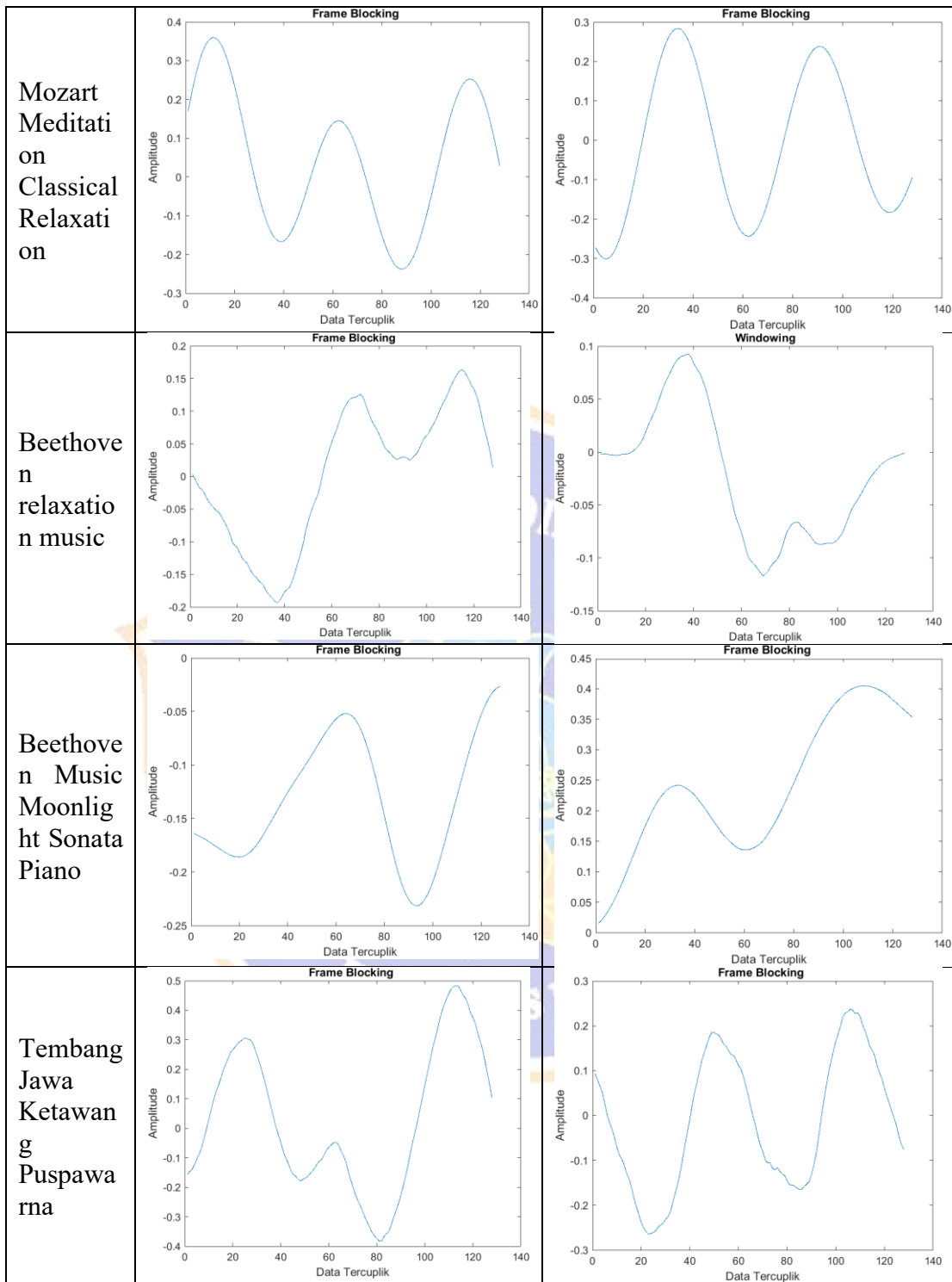




Lampiran 16 *Frame Blocking Sampling 2fm dan 3fm* Bunyi Pembanding

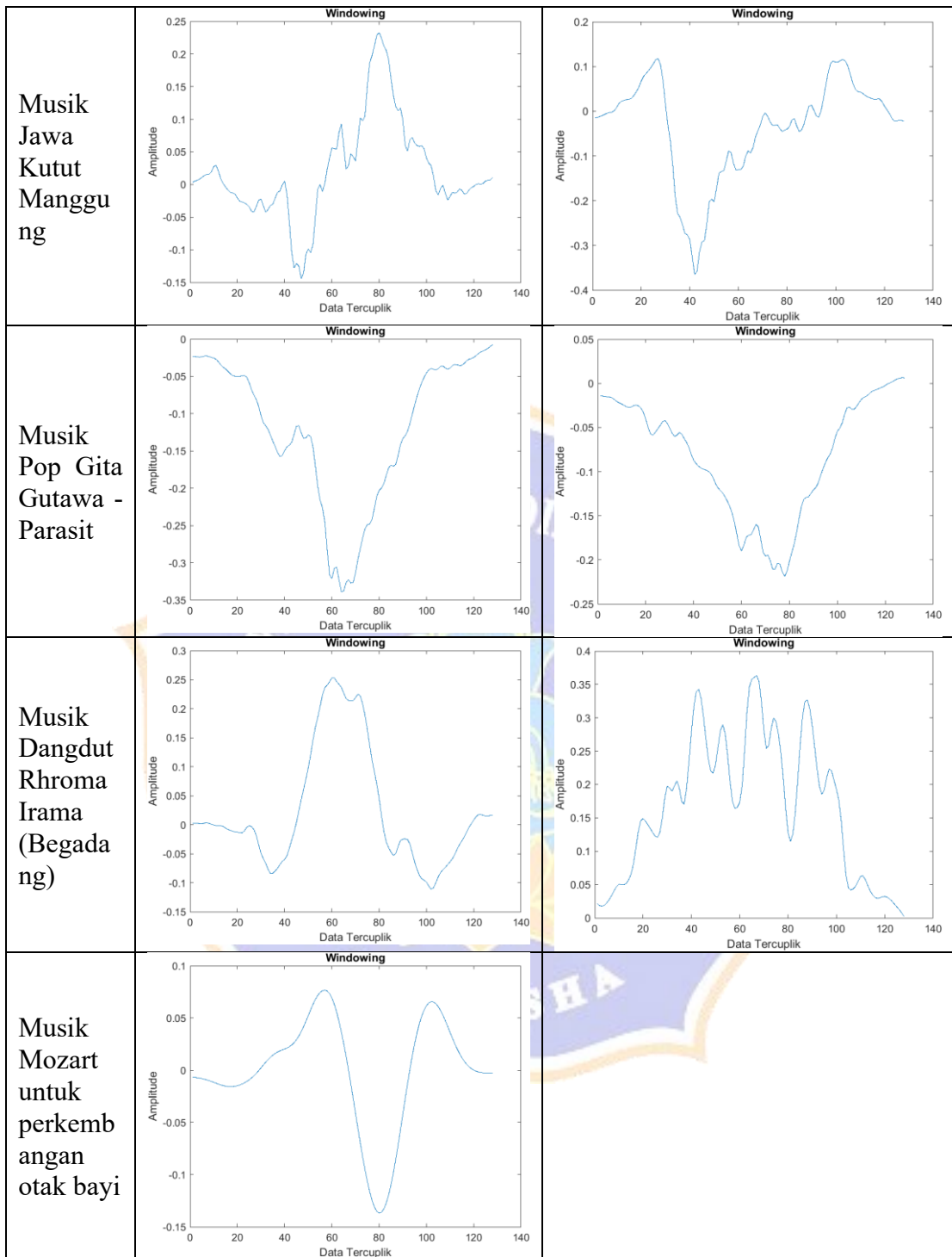
Nama File	Hasil <i>Frame Blocking 2fm</i>	<i>Hasil Frame Blocking 3fm</i>
Suara mesin pemotong kayu (gergaji mesin)		
Suara mesin pesawat terbang		
Lagu rock Boomerang (Generasi 80-an)		
Lagu rock Slipknot (Psychosia)		



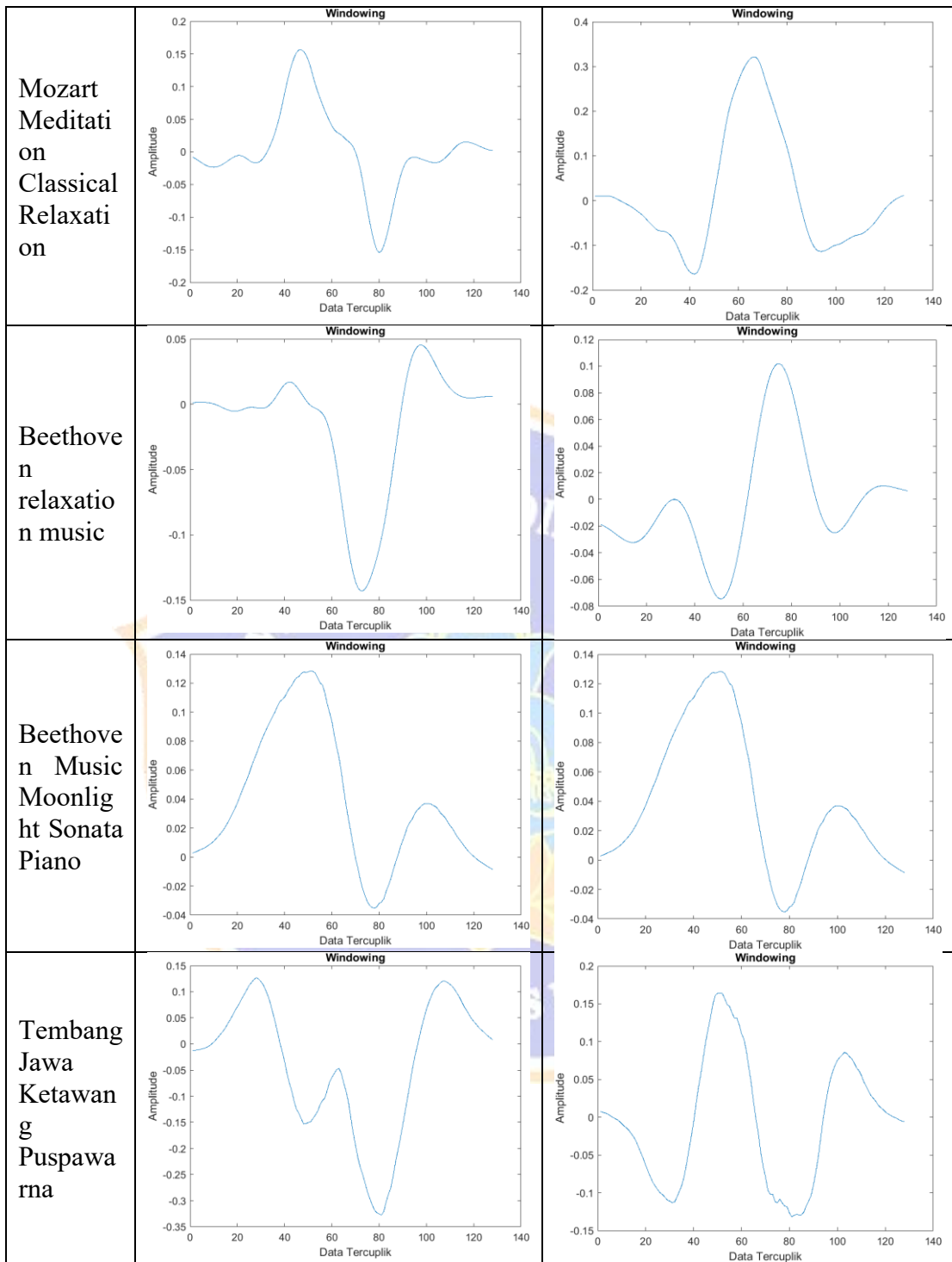


Lampiran 17 *Windowing Sampling 2fm dan 3fm* Bunyi Pemandang

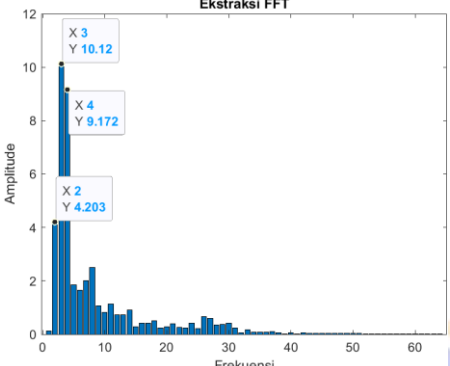
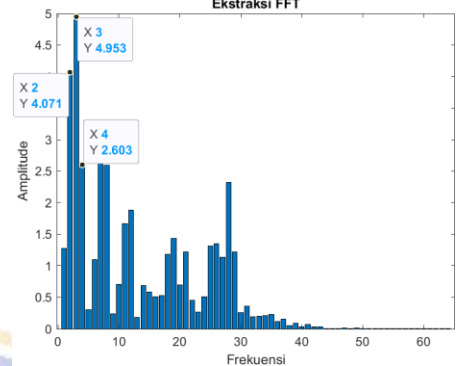
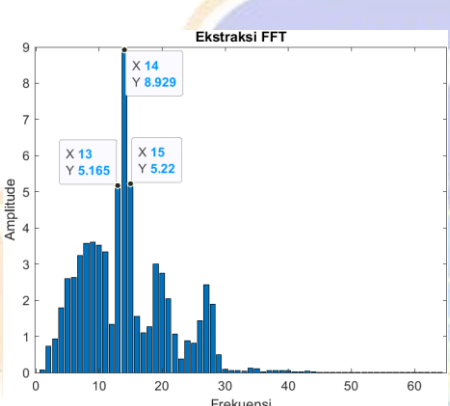
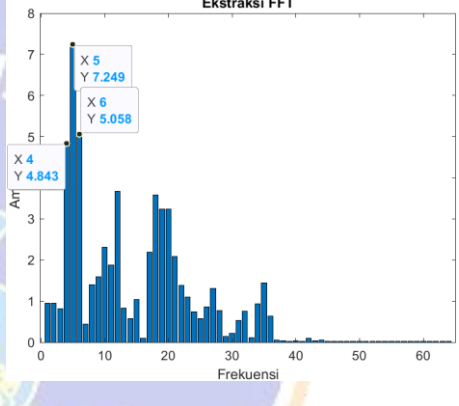
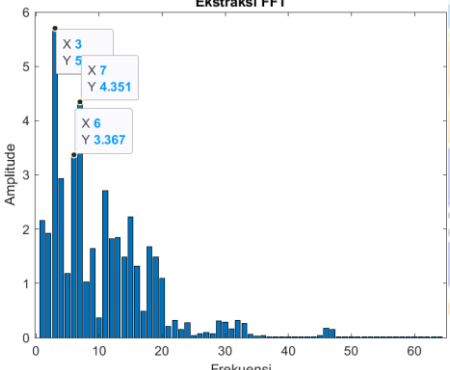
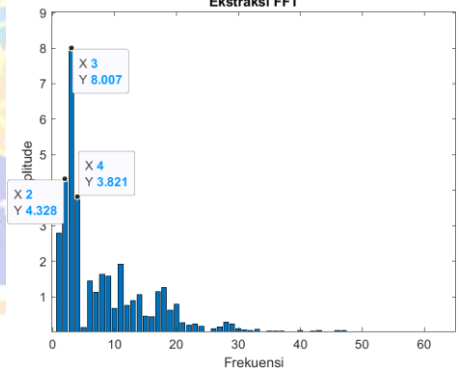
Nama File	Hasil <i>Windowing</i> 2fm	Hasil <i>Windowing</i> 3fm
Suara mesin pemotong kayu (gergaji mesin)		
Suara mesin pesawat terbang		
Lagu rock Boomerang (Generasi iku)		
Lagu rock Slipknot (Psychosocia)		

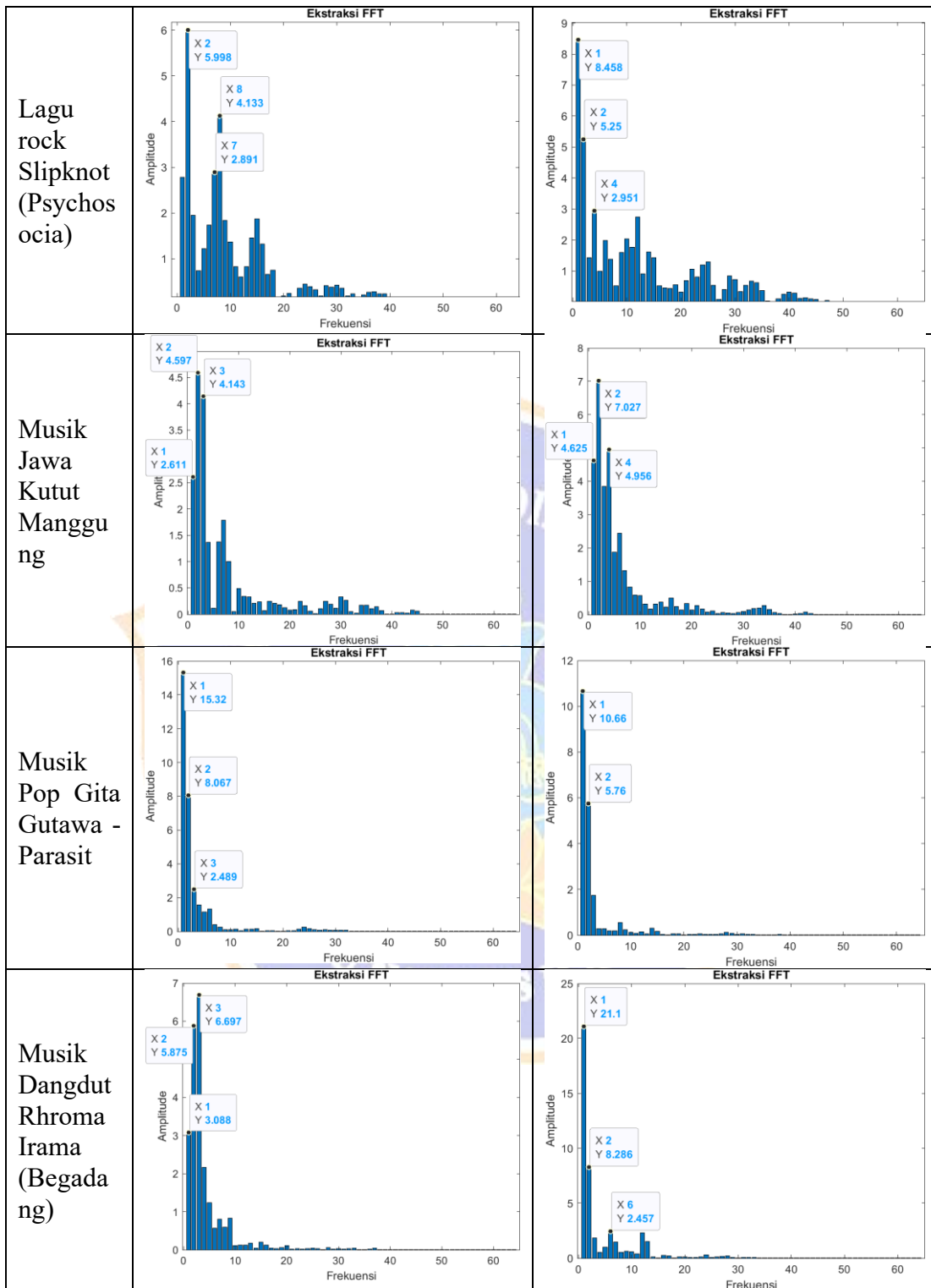


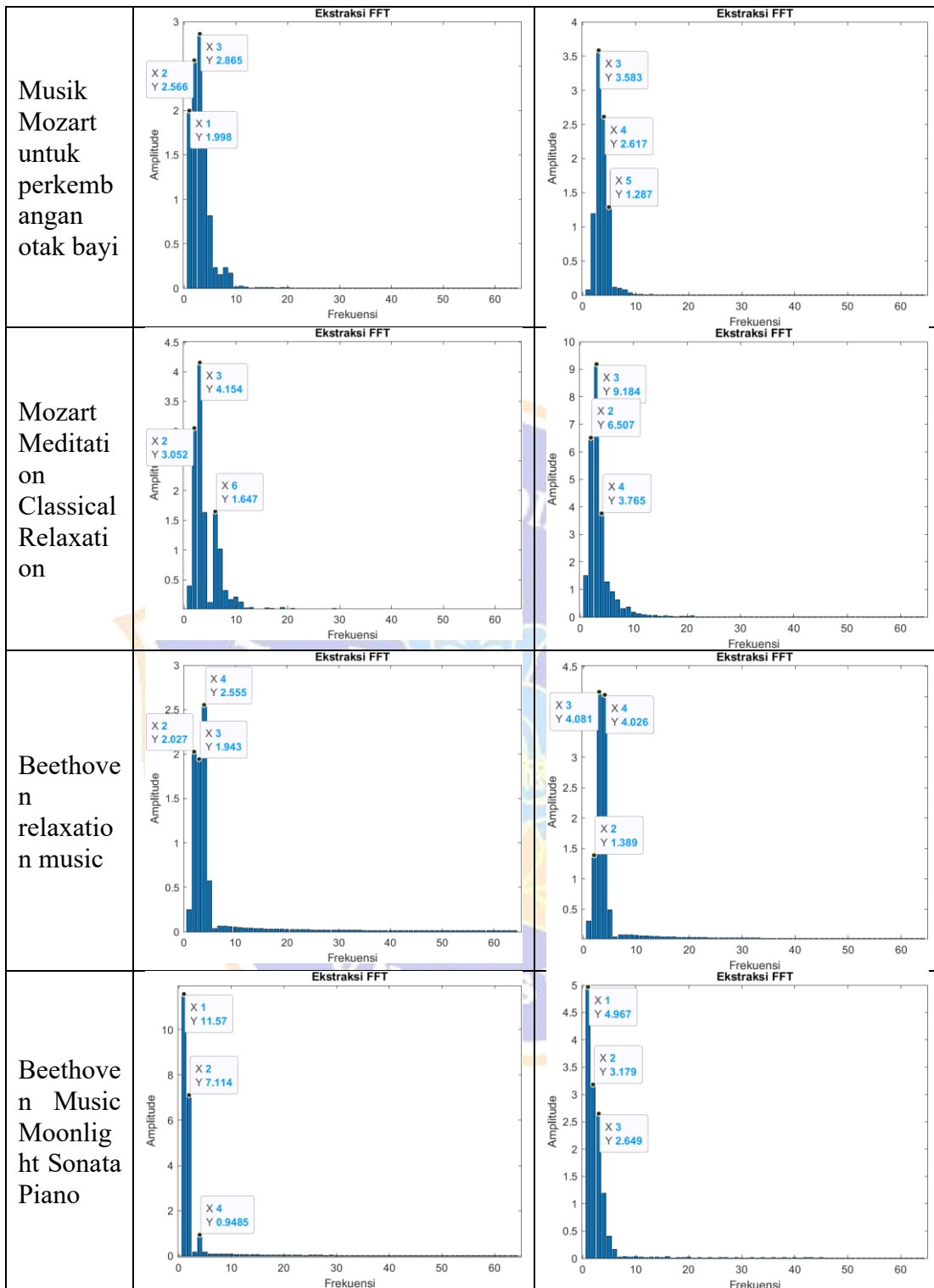


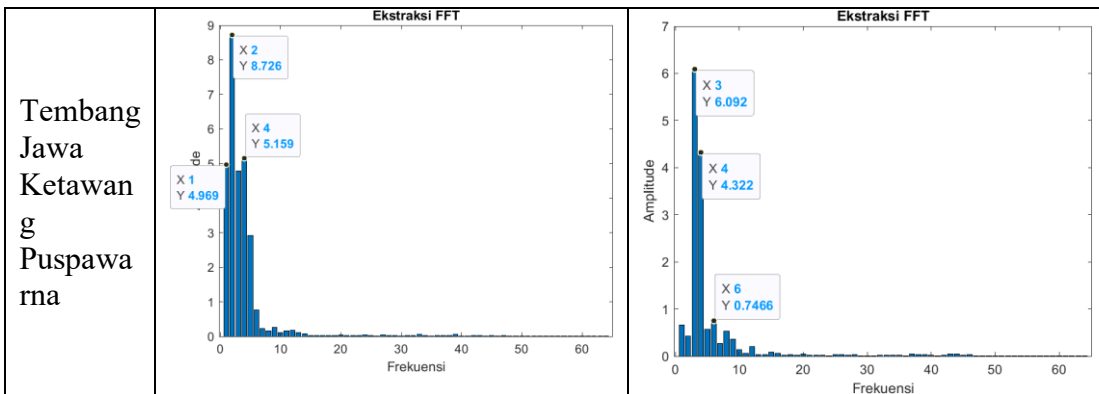


Lampiran 18 Ekstraksi FFT *Sampling 2fm* dan *3fm* Bunyi Pemandang

Nama File	Ekstraksi FFT <i>2fm</i>	Ekstraksi FFT <i>3fm</i>
Suara mesin pemotong kayu (gergaji mesin)		
Suara mesin pesawat terbang		
Lagu rock Boomerang (Generasi Iku)		







Lampiran 19 Decibel *Sampling 2fm* dan *3fm* Bunyi Pembanding

