CHAPTER IV

FINDINGS AND DISCUSSION

The researcher used Flesch Reading Ease Formula to find out the readability of reading texts in the English textbook entitled "*Bahasa Inggris*" for X grade of senior high school 2013 Curriculum, published By *Kementerian Pendidikan dan Kebudayaan* in the year of 2016. As stated previously this study only focuses in calculating the readability scores of reading texts. The readability score is gotten by counting the syllables, words, sentences of a text and analyzing the readability using Flesch Reading Ease Formula.

A. FINDINGS

This English textbook contains three genres of the texts. The totals of genre reading texts are 10 texts in this study. They are 3 desciptive texts: *Tanjung Puting National Park, Taj Mahal, Visiting Niagara Falls,* 4 recount texts: *Meeting My Idol, The Battle of Surabaya, B.J. Habibie, Cut Nyak Dien,* and 3 narrative texts: *Issumboshi, Malin Kundang, Strong Wind.*

The analysis text 1 entitled *Tanjung Puting National Park* describes that the text consist of 24 sentences, 413 words, and 562 syllables. Text 2 entitled *Taj Mahal* has 267 words of 17 sentences. There are 425 syllables of the overall sentences. Text 3

entitled *Visiting Niagara Falls* has 31 sentences, 484 words, and 805 syllables. The result counting of 26 sentences, 368 words, and 512 syllables belongs to text 4 with the title *Meeting My Idol*. Text 5 entitled *The Battle of Surabaya* has 18 sentences, 332 words and 571 syllables. Then 32 sentences, 505 words and 1007 syllables are the result counting of text 6 entitled *B.J. Habibie*. Text 7 entitled *Cut Nyak Dien* has 36 sentences, 592 words and 914 syllables. Text 8 entitled *Issumboshi* has 42 sentences, 404 words, and 512 syllables. Text 9 entitled *Malin Kundang* has 31 sentences, 413 words, and 553 syllables. The last is text 10 entitled *Strong Wind* has result counting of 54 sentences, 551 words, and 658 syllables.

The calculation result of the sentences, words, and syllables of each text is presented in table below.

Text	Type of	Number of	Number	Number
	texts	Sentences	of words	of
				syllables
Text	Descriptive	24	413	562
1	text			
Text	Descriptive	17	267	425
2	text			

Table 6: Detail of Sentences, Words, and Syllables Counting

Text	Descriptive	31	484	805
3	text			
Text	Recount	26	368	512
4	text			
Text	Recount	18	332	571
5	text			
Text	Recount	32	505	1007
6	text			
Text	Recount	36	592	914
7	text			
Text	Narrative	42	404	512
8	text			
Text	Narrative	31	413	553
9	text			
Text	Narrative	54	551	658
10	text			

Then the researcher measured all of the texts using Flesch readability formula.

- 1. Text 1
 - ASL = Number of words: Number of Sentences = 413: 24 = 17.2083333333
 - ASW = Number of syllables: Number of words

- 2. Text 2
 - ASL = Number of words: Number of Sentences = 267: 17 = 15.7058823529
 - ASW = Number of syllables: Number of words = 425: 267 = 1.5917602996
- 3. Text 3
 - ASL = Number of words: Number of Sentences = 484: 31 = 15.6129032258
 - ASW = Number of syllables: Number of words = 805: 484 = 1.6632231405
- 4. Text 4
 - ASL = Number of words: Number of Sentences = 368: 26 = 14.1538461538
 - ASW = Number of syllables: Number of words = 512: 368 = 1.3913043478
- 5. Text 5
 - ASL = Number of words: Number of Sentences = 332: 18 = 17.8888
 - ASW = Number of syllables: Number of words = 571:332 = 1.7732919255
- 6. Text 6
 - ASL = Number of words: Number of Sentences = 505: 32 = 15.78125

- ASW = Number of syllables: Number of words = 1007: 505 = 1.9940594059
- 7. Text 7
 - ASL = Number of words: Number of Sentences = 592: 36 = 16.4444
 - ASW = Number of syllables: Number of words = 914: 592 = 1.543915
- 8. Text 8
 - ASL = Number of words: Number of Sentences = 404: 42 = 9.619047619
 - ASW = Number of syllables: Number of words = 512: 404 = 1.2673267327
- 9. Text 9
 - ASL = Number of words: Number of Sentences = 413: 31 = 13.5224193543
 - ASW = Number of syllables: Number of words = 539: 413 = 1.3389830508
- 10. Text 10
 - ASL = Number of words: Number of Sentences = 551: 54 = 10.2037037037
 - ASW = Number of syllables: Number of words

= 658: 551 = 1.1941923775

The result of ASL and ASW calculation can be seen in the table 2.

Text	Average Sentence	Average Syllable per
	Length	Word
Text 1	17.2083333333	1.3607748184
Text 2	15.7058823529	1.5917602996
Text 3	15.6129032258	1.6632231405
Text 4	14.1538461538	1.3913043478
Text 5	17.8888888889	1.7732919255
Text 6	15.78125	1.9940594059
Text 7	16.444444444	1.5439189189
Text 8	9.619047619	1.2673267327
Text 9	13.2225806452	1.3389830508
Text 10	10.2037037037	1.1941923775

Table 7: Detail of Result of ASL and ASW Calculation

The next step is finding readability score by using Flesch

Reading Ease Formula:

Text 1

Score = 206.835 - (1.015 X ASL) - (84.6 X ASW)

= 206.835 - (1.015 X 17.2083333333) - (84.6 X)

1.3607748184)

= 206.835 - (17.4664583333) - (115.1215496366)

= 74.2469920301

Text 2

Score = 206.835 - (1.015 X ASL) - (84.6 X ASW)= 206.835 - (1.015 X 15.7058823529) - (84.6 X 1.5917602996) = 206.835 - (15.9414705882) - (134.6629213462)= 56.2306080656Text 3 Score = 206.835 - (1.015 X ASL) - (84.6 X ASW)= 206.835 - (1.015 X 15.6129032258) - (84.6 X)1.6632231405) = 206.835 - 15.8470967742 - 140.708677686= 50.2792255398Text 4 Score = 206.835 - (1.015 X ASL) - (84.6 X ASW)= 206.835 - (1.015 X 14.1538461538) - (84.6 X)1.3913043478) = 206.835 - (14.3661538461) - (117.7043478239)= 74.76449833 Text 5 Score = 206.835 - (1.015 X ASL) - (84.6 X ASW)= 206.835 - (1.015 X 17.8888888889) - (84.6 X

1.7732919255)

= 206.835 - (18.157222222) - (150.0204968973)= 38.6572808805

Text 6

Score = 206.835 - (1.015 X ASL) - (84.6 X ASW)= 206.835 - (1.015 X 15.78125) - (84.6 X1.9940594059) = 206.835 - 16.01796875 - 168.6974257391

= 22.1196055109

Text 7

Score = 206.835 - (1.015 X ASL) - (84.6 X ASW) = 206.835 - (1.015 X 16.444444444) - (84.6 X 1.5439189189)

= 206.835 - 16.6911111111 - 130.6155405389= 59.52834835

Text 8

Score = 206.835 - (1.015 X ASL) - (84.6 X ASW)= 206.835 - (1.015 X 9.619047619) - (84.6 X1.2673267327)

> = 206.835 - 9.763333333 - 107.2158415864 = 89.8558250803

Text 9

Score = 206.835 - (1.015 X ASL) - (84.6 X ASW)= 206.835 - (1.015 X 14.5714285714) - (84.6 X 1.443627451)= 206.835 - 13.5224193543 - 113.2779661017

= 206.835 - 13.5224193543 - 113.2779661017= 69.914117647

Text 10

Score = 206.835 - (1.015 X ASL) - (84.6 X ASW) = 206.835 - (1.015 X 10.2037037037) - (84.6 X 1.1941923775)

= 206.835 - 10.3567592593 - 101.0286751365

= 95.4495656042

The calculation then is put in the table 3.

Table 8: The Readability Score of the Reading Texts Based on

the Reading Ease Scale of the Flesch Formula

Text	Readability Score	Difficult	Reading
		Level	Grade
Text 1	74.2469920301	Fairly Easy	7 th Grade
Text 2	56.2306080656	Fairly	10^{th} to 12^{th}
		Difficult	Grade
Text 3	50.2792255398	Fairly	10^{th} to 12^{th}
		Difficult	Grade
Text 4	74.76449833	Fairly Easy	7 th Grade
Text 5	38.6572808805	Difficult	13^{th} to 16^{th}
			Grade
Text 6	22.1196055109	Very	College
		Difficult	Graduate
Text 7	59.52834835	Fairly	10^{th} to 12^{th}
		Difficult	Grade

Text 8	89.8558250803	Easy	6 th Grade
Text 9	80.0329196287	Easy	6 th Grade
Text 10	95.4495656042	Very Easy	5 th Grade

B. DISCUSSION

After getting the result of the data analysis from the Flesch Reading Ease Formula, 10 reading texts on the textbook are classified into six levels.

- 1. Very Easy, there is 1 reading text in this level. The readability score is between 90 100. We find it in the text 10. It means that the text 10 is at the 5th grade of high school.
- 2. Easy, there is 2 reading text in this level. The readability score is between 80 90. We find it in the text 8 and Text 9.It means that the text 8 and 9 are at the 6th grade of high school.
- Fairly Easy, there are 2 reading texts in this level. The readability scores are between 70 80. We find them in the text 1 and text 4. It means that the text 1 and 4 are at the 7th grade of high school.
- 4. Fairly Difficult, there are 3 reading texts in this level. The readability scores are between 50 - 60. We find

them in the text 2, 3 and 7. It means that the text 2, 3, and 7 are at the 10^{th} to 12^{th} Grade of high school.

- 5. Difficult, there is 1 reading text in this level. The readability scores are between 30 50. We find it in the text 5. It means that the text 5 is at the college grade.
- Very Difficult, there is 1 reading texts in this level. The readability scores are between 0 – 30. We find it in the text 6. It means that the text 6 is at the college graduate grade.

Furthermore, this result continues to percentage the data as in table 4:

No.	Level	Number of	Percentage
		Text	
1.	Very Easy	1	10 %
2.	Easy	2	20 %
3.	Fairly Easy	2	20 %
4.	Fairly Difficult	3	30 %
5.	Difficult	1	10 %
6.	Very Difficult	1	10 %

Table 9: Data in Percent

In average, the texts in the textbook especially in the reading section are in Fairly Difficult

Level. Since the texts in Fairly Difficult Level are higher than other texts, it means that the texts are actually in the right level. It is also supported to the theory of Flesch Reading Ease by Rudolf Flesch, the texts are in the appropriate level for tenth grade student of high school. On the other hand, the other five texts that are at 5th, 6th, 7th grade level can be used as warm-up for students in reading activities. While two another text that is at college and college graduate level can be used as challenge for students to improve their reading skills.