

CHAPTER IV

FINDINGS AND DISCUSSION

A. Findings

1. The Description about Flesch Reading Ease and the Cloze Test

Procedure

a. Flesch Reading Ease

As stated before, the writer uses Flesch Reading Ease Formula to gain the readability score of the five reading texts of the textbook.

The readability score is gained by counting the syllables, words, sentences and paragraphs which are in the texts. The writer analyses the syllables of each text by using Oxford Advanced Learner's Dictionary then counts the number of these syllables. Then, the writer counts words by using Microsoft Word. The number of sentences and paragraphs of the texts are counted manually.

The results of the calculation are presented in the following table:

Table 4.1 The Number of Syllables, Words, Sentences, and Paragraphs of the Five Texts.

No	Components	Text 1	Text 2	Text 3	Text 4	Text 5
1	Syllables	291	349	348	348	203
2	Words	196	256	237	240	149
3	Sentences	13	27	24	26	23
4	Paragraphs	4	7	6	8	6

The table above shows that Text 2 entitled “Tiger” is the longest text which consists of 349 syllables, 256 words, 27 sentences and 7 paragraphs.

Then, the writer counts the number of Average Sentence Length (ASL) or the number of words per sentence and the number of syllables per words and (ASW). ASL is the result from the number of words divided by the number of sentence, while ASW is the result from the number of syllables divided by the number of words.

1) Text 1

$$ASL = \frac{\textit{The Number of Words}}{\textit{The Number of Sentences}}$$

$$ASL = \frac{196}{13}$$

$$= 15,07$$

$$ASW = \frac{\textit{The Number of Syllables}}{\textit{The Number of Words}}$$

$$ASW = \frac{291}{196}$$

$$= 1,48$$

2) Text 2

$$ASL = \frac{\textit{The Number of Words}}{\textit{The Number of Sentences}}$$

$$ASL = \frac{256}{27}$$

$$= 9,48$$

$$ASW = \frac{\textit{The Number of Syllables}}{\textit{The Number of Words}}$$

$$ASW = \frac{349}{256}$$

$$= 1,36$$

3) Text 3

$$ASL = \frac{\textit{The Number of Words}}{\textit{The Number of Sentences}}$$

$$ASL = \frac{237}{24}$$

$$= 9,87$$

$$ASW = \frac{\textit{The Number of Syllables}}{\textit{The Number of Words}}$$

$$ASW = \frac{348}{237}$$

$$= 1,46$$

4) Text 4

$$ASL = \frac{\textit{The Number of Words}}{\textit{The Number of Sentences}}$$

$$ASL = \frac{240}{26}$$

$$= 9,23$$

$$ASW = \frac{\textit{The Number of Syllables}}{\textit{The Number of Words}}$$

$$ASW = \frac{348}{240}$$

$$= 1,45$$

5) Text 5

$$ASL = \frac{\text{The Number of Words}}{\text{The Number of Sentences}}$$

$$ASL = \frac{149}{23}$$

$$= 6,47$$

$$ASW = \frac{\text{The Number of Syllables}}{\text{The Number of Words}}$$

$$ASW = \frac{203}{149}$$

$$= 1,36$$

The result from the calculation of ASL and ASW of the texts can be seen in the table 4.2.

Table 4.2 The Calculation of ASL and ASW of the Five Texts

Texts	The Average Number of Words per Sentence (ASL)	The Average Number of Syllables per Words (ASW)
Text 1	15,07	1,48
Text 2	9,48	1,36
Text 3	9,87	1,46
Text 4	9,23	1,45
Text 5	6,47	1,36

b. The Cloze Test Procedure

The writer gave Cloze Test to 42 students of the seventh grade of SMP Negeri 1 Banjarmasin. And then, the writer analyzed the score of their results in order to find out the readability level reading texts in the textbook.

The writer deleted every sixth (6th) word in the texts, gave the answer choices in the box given and gave written instruction using Indonesian and English language.

The percentage of deleted-words in each text as follows:

- 1) The seventh text entitled “Birthday Traditions around the World”

The text consists of 196 words and the number of words which was deleted is 27, it means that it is about 14% of the total text was deleted.

- 2) The text entitled “Tiger”

The text consists of 256 words and the number of words which was deleted is 38, it means that it is about 15% of the total text which was deleted.

- 3) The text entitled “My Town, Wilson Creek”

The text consists of 237 words and the number of words which was deleted is 36, it means that it is about 15% of the total text which was deleted.

- 4) The text entitled “Elephants: The Amazing Animals”

The text consists of 240 words and the number of words which was deleted is 35, it means that it is about 14% of the total text which was deleted.

- 5) The text entitled “I Want to Be a Firefighter”

The text consists of 149 words and the number of words which was deleted is 22, it means that it is about 15% of the total text which was deleted

After giving the Cloze test to 42 students and correcting their answers, the writer counted the students' score by using this formula:

$$S = \frac{r}{n} \times SM(100\%)$$

Where

S= Standard score

SM= Standard Mark (100%)

r= the number of the right answers

n= the number item

The score of each student are presented in the following table:

Table 4.3 The Scores of Seventh Grade Students of SMP Negeri 1 Banjarmasin Academic Year 2013-2014

No	Number of Student	Total Number of Right Answers					Total
		Text 1	Text 2	Text 3	Text 4	Text 5	
		27	38	36	35	22	
1	1	17	10	23	19	22	91
2	2	13	7	25	25	22	92
3	3	14	13	29	16	20	92
4	4	18	14	30	21	21	104
5	5	20	13	33	19	19	104
6	6	22	14	26	22	18	102
7	7	25	8	32	24	19	108
8	8	17	9	26	23	17	92
9	9	13	30	27	24	22	89
10	10	12	17	27	19	22	97
11	11	11	12	35	24	21	103
12	12	9	7	34	27	20	97
13	13	12	9	29	16	17	83

14	14	17	12	33	21	19	102
15	15	12	12	31	18	21	94
16	16	15	4	29	24	21	93
17	17	15	9	33	16	20	93
18	18	14	12	27	21	19	93
19	19	13	13	28	24	19	97
20	20	12	7	27	19	16	81
21	21	18	5	25	16	20	84
22	22	12	13	27	19	22	93
23	23	16	19	24	25	18	102
24	24	13	19	27	15	19	93
25	25	19	14	28	19	21	101
26	26	12	19	23	19	16	89
27	27	17	14	27	15	17	90
28	28	13	19	23	19	18	92
29	29	11	15	29	19	21	95
30	30	9	14	23	21	17	84
31	31	12	17	32	24	19	104
32	32	14	19	34	19	15	101
33	33	16	13	27	22	14	92
34	34	19	14	35	16	20	104
35	35	13	15	29	18	17	92
36	36	17	15	27	19	19	97
37	37	13	18	29	15	21	96
38	38	19	16	23	16	16	90
39	39	13	11	26	22	18	90
40	40	15	12	35	24	15	101
41	41	12	16	28	17	16	89
42	42	17	19	25	24	16	101
	Total	621	541	1190	845	790	3987

	Average	14,78	12,89	28,33	20,11	18,81	94,92
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Then, the writer counts the percentage the scores as presented in the following table:

Table 4.4 Percentage of the Scores of the Seventh Grade Students of SMP Negeri 1 Banjarmasin Academic Year 2013-2014

No	Name of Student	Percentage of the Scores				
		Text 1	Text 2	Text 3	Text 4	Text 5
		27	38	36	35	22
1	1	62,96%	26,31%	63,89%	54,28%	100%
2	2	48,15%	18,42%	69,44%	71,43%	100%
3	3	51,85%	34,21%	80,56%	45,71%	90,91%
4	4	66,66%	36,84%	83,33%	60%	95,45%
5	5	74,07%	34,21%	91,67%	54,28%	86,36%
6	6	81,48%	36,84%	72,22%	62,85%	81,82%
7	7	92,59%	21,05%	88,89%	68,57%	86,36%
8	8	62,96%	23,68%	72,22%	65,71%	77,27%
9	9	48,15%	78,95%	75%	68,57%	100%
10	10	44,44%	44,74%	75%	54,28%	100%
11	11	40,74%	31,58%	97,22%	68,57%	95,45%
12	12	33,33%	18,42%	94,44%	77,14%	90,91%
13	13	44,44%	23,68%	80,56%	45,71%	77,27%
14	14	62,96%	31,58%	91,67%	60%	86,36%
15	15	44,44%	31,58%	86,11%	51,43%	95,45%
16	16	55,56%	10,53%	80,56%	68,57%	95,45%
17	17	55,56%	23,68%	91,67%	45,71%	90,91%
18	18	51,85%	31,58%	75%	60%	86,36%
19	19	48,15%	34,21%	77,78%	68,57%	86,36%
20	20	44,44%	18,42%	75%	54,28%	72,73%
21	21	66,67%	13,16%	69,44%	45,71%	90,91%

22	22	44,44%	34,21%	75%	54,28%	100%
23	23	59,26%	50%	66,67%	71,43%	81,82%
24	24	48,15%	50%	75%	42,86%	86,36%
25	25	70,37%	36,84%	77,78%	54,28%	95,45%
26	26	44,44%	50%	63,89%	54,28%	72,73%
27	27	62,96%	36,84%	75%	42,86%	77,27%
28	28	48,15%	50%	63,89%	54,28%	81,82%
29	29	40,74%	39,47%	80,56%	54,28%	95,45%
30	30	33,33%	36,84%	63,89%	60%	77,27%
31	31	44,44%	44,74%	88,89%	68,57%	86,36%
32	32	51,85%	50%	94,44%	54,28%	68,18%
33	33	59,26%	34,21%	75%	62,86%	63,64%
34	34	70,37%	36,84%	97,22%	45,71%	90,91%
35	35	48,15%	39,47%	80,56%	51,43%	77,27%
36	36	62,96%	39,47%	75%	54,29%	86,36%
37	37	48,15%	47,37%	80,56%	42,86%	95,45%
38	38	70,37%	42,10%	63,89%	45,71%	72,73%
39	39	48,14%	28,95%	72,22%	62,86%	81,82%
40	40	55,56%	31,58%	97,22%	68,57%	68,18%
41	41	44,44%	42,10%	77,78%	48,57%	72,73%
42	42	62,96%	50%	69,44%	68,57%	72,73%
	Average	54,76%	33,90%	78,70%	57,48%	85,50%

From the data above shows that the five texts get score as follows:

- 1) The text entitled " Birthday Traditions around the World" has cloze test score 54,76%
- 2) The text entitled "Tiger" has cloze test score 33,90%
- 3) The text entitled "My Town, Wilson Creek" has cloze test score 78,70%

- 4) The text entitled " Elephants: The Amazing Animals" has cloze test score 57,48%
- 5) The text entitled " I Want to Be a Firefighter" has cloze test score 85,50%

2. The Analysis of Data

a. The Flesch Reading Ease

The writer tries to analyze the data presented in table 4.3. The writer puts the calculation of ASL and ASW of the texts into the Readability Score formula as follows:

$$206,835 - (1,015 \times \text{ASL}) - (84,6 \times \text{ASW})$$

Text 1 (Birthday Traditions around the World)

$$\begin{aligned} &= 206,835 - (1,015 \times \text{ASL}) - (84,6 \times \text{ASW}) \\ &= 206,835 - (1,015 \times 15,07) - (84,6 \times 1,48) \\ &= 206,835 - (15,30) - (125,21) \\ &= 66,32 \end{aligned}$$

Text 2 (Tiger)

$$\begin{aligned} &= 206,835 - (1,015 \times \text{ASL}) - (84,6 \times \text{ASW}) \\ &= 206,835 - (1,015 \times 9,48) - (84,6 \times 1,36) \\ &= 206,835 - (9,62) - (115,06) \\ &= 82,15 \end{aligned}$$

Text 3 (My Town, Wilson Creek)

$$\begin{aligned} &= 206,835 - (1,015 \times \text{ASL}) - (84,6 \times \text{ASW}) \\ &= 206,835 - (1,015 \times 9,87) - (84,6 \times 1,46) \end{aligned}$$

$$= 206,835 - (10,02) - (123,52)$$

$$= 73,29$$

Text 4 (Elephants: The Amazing Animals)

$$= 206,835 - (1,015 \times \text{ASL}) - (84,6 \times \text{ASW})$$

$$= 206,835 - (1,015 \times 9,23) - (84,6 \times 1,45)$$

$$= 206,835 - (9,37) - (122,67)$$

$$= 74,79$$

Text 5 (I Want to Be a Firefighter)

$$= 206,835 - (1,015 \times \text{ASL}) - (84,6 \times \text{ASW})$$

$$= 206,835 - (1,015 \times 6,47) - (84,6 \times 1,36)$$

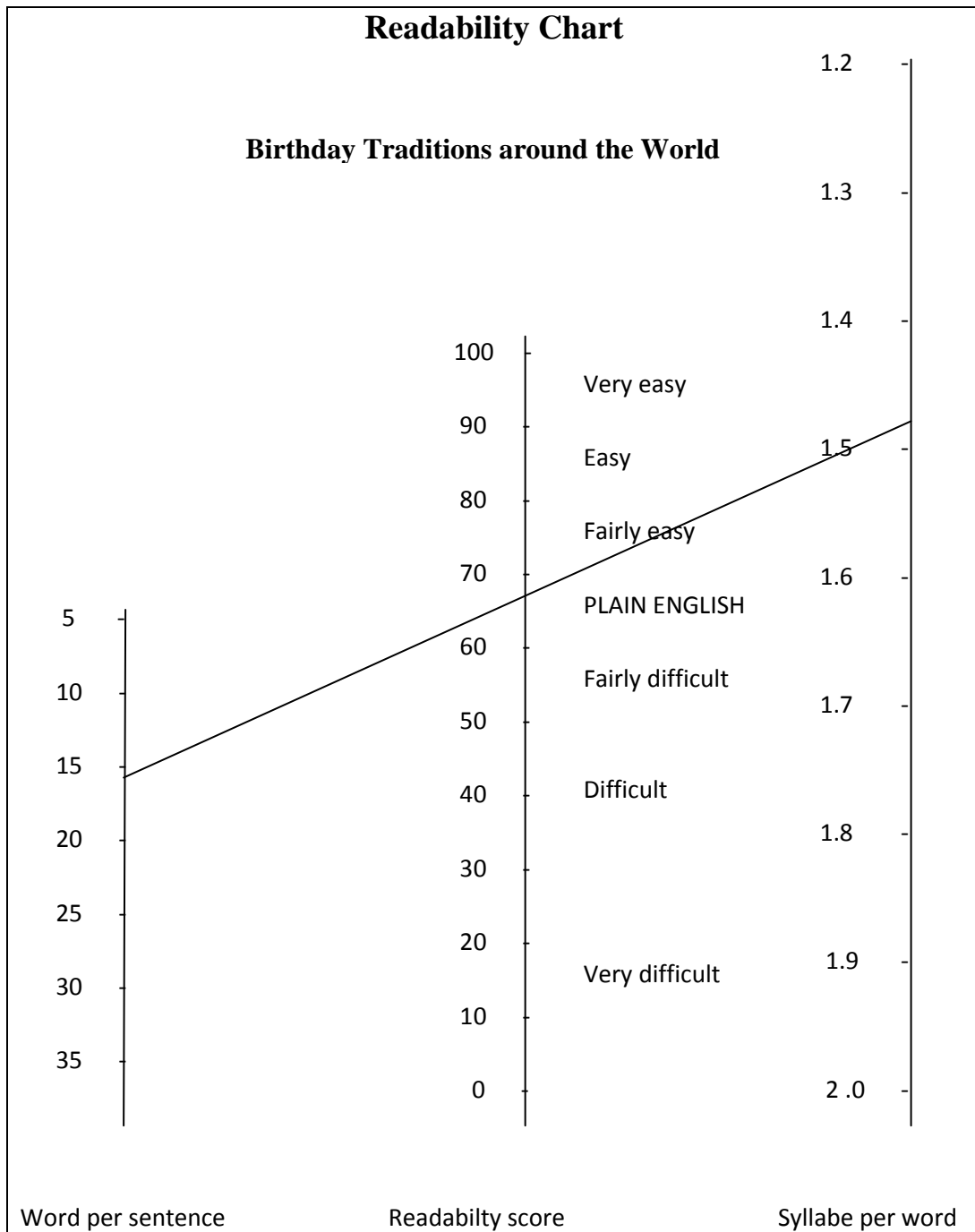
$$= 206,835 - (6,57) - (115,06)$$

$$= 85,20$$

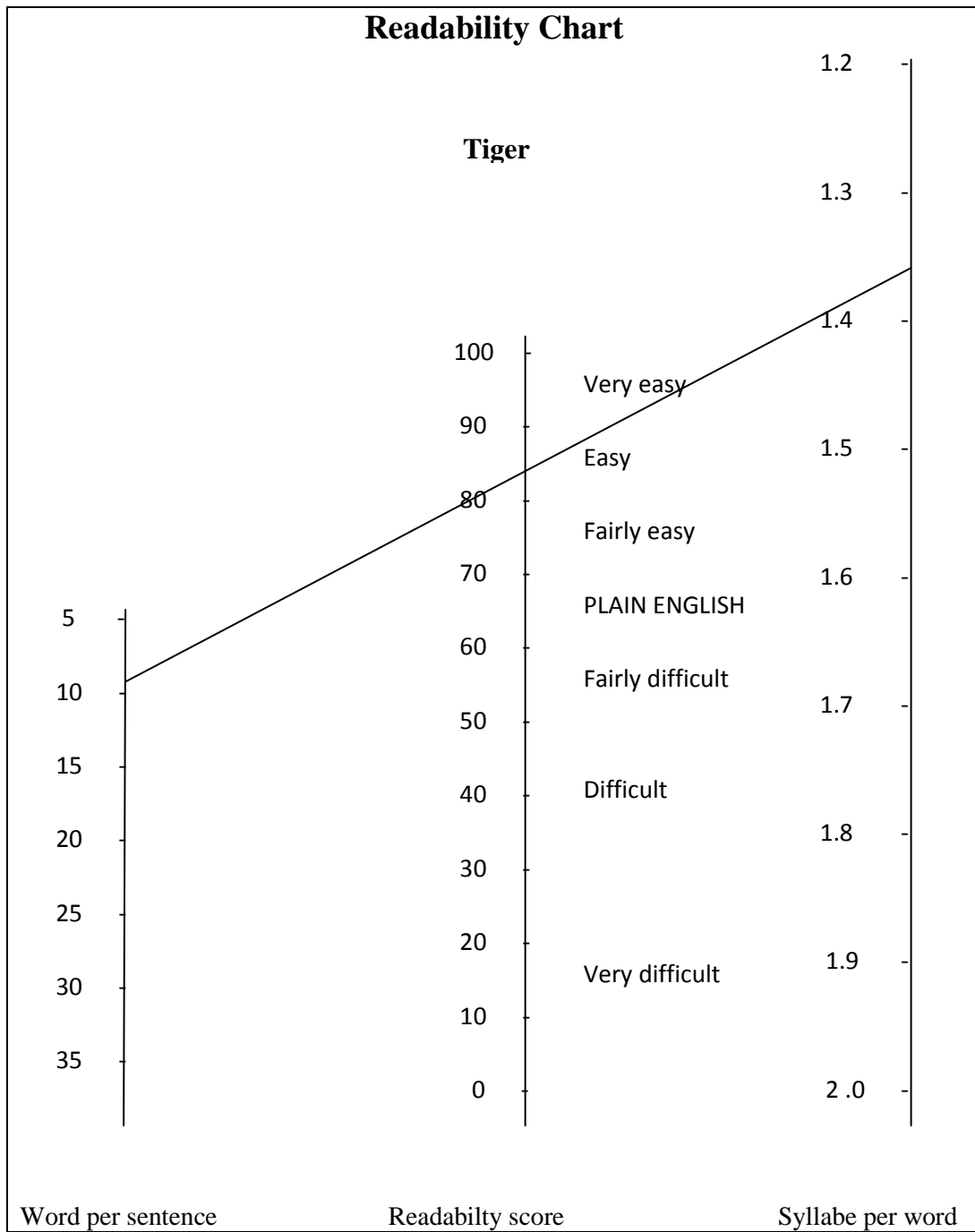
Then, the writer put the result of these calculations into the *Readability*

Chart. The steps are:

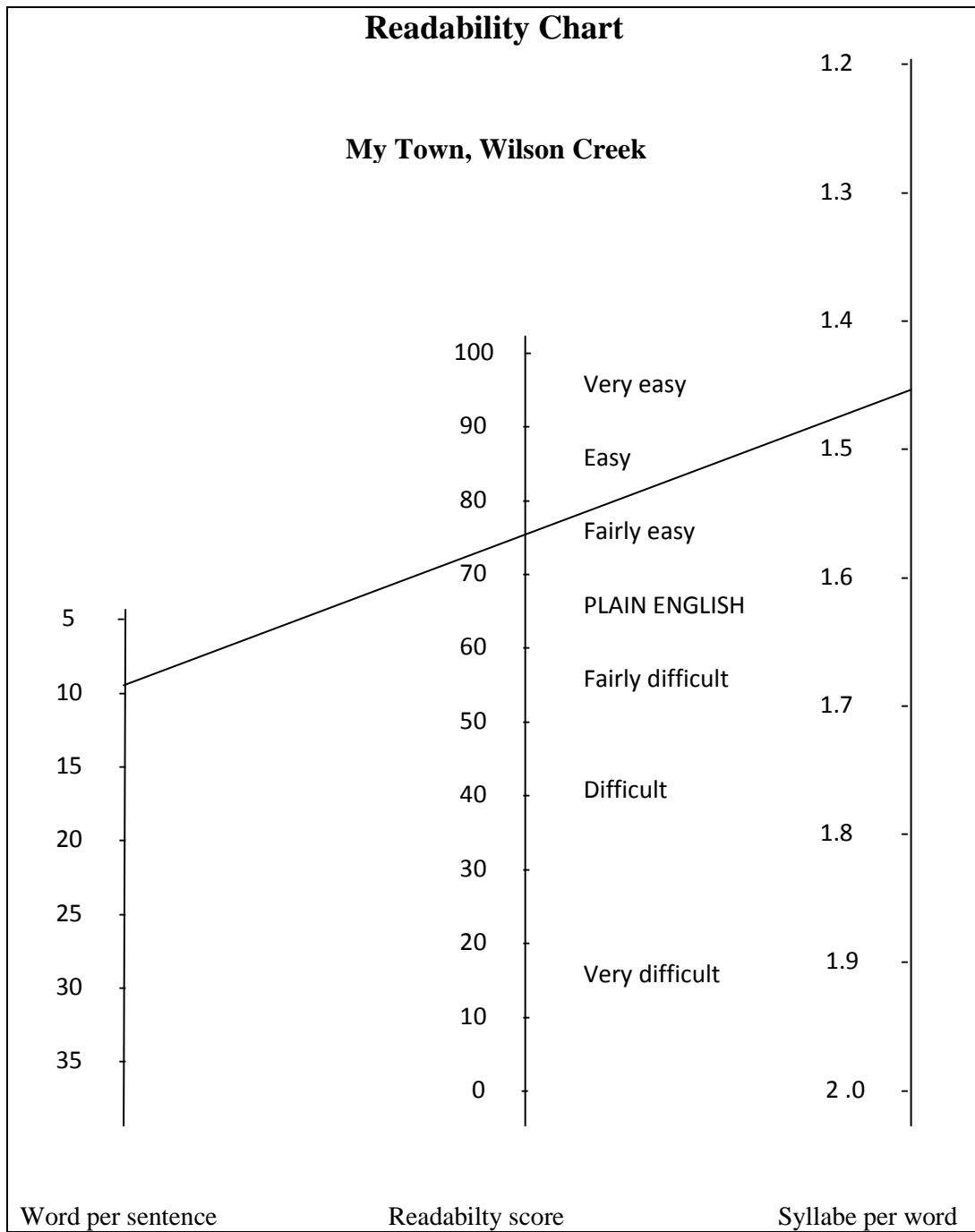
- Finding the average of sentence length and word length of each text on the chart
- Taking a straightedge or ruler to connect the two figures. The intersection of the ruler with the center column shows the readability score.



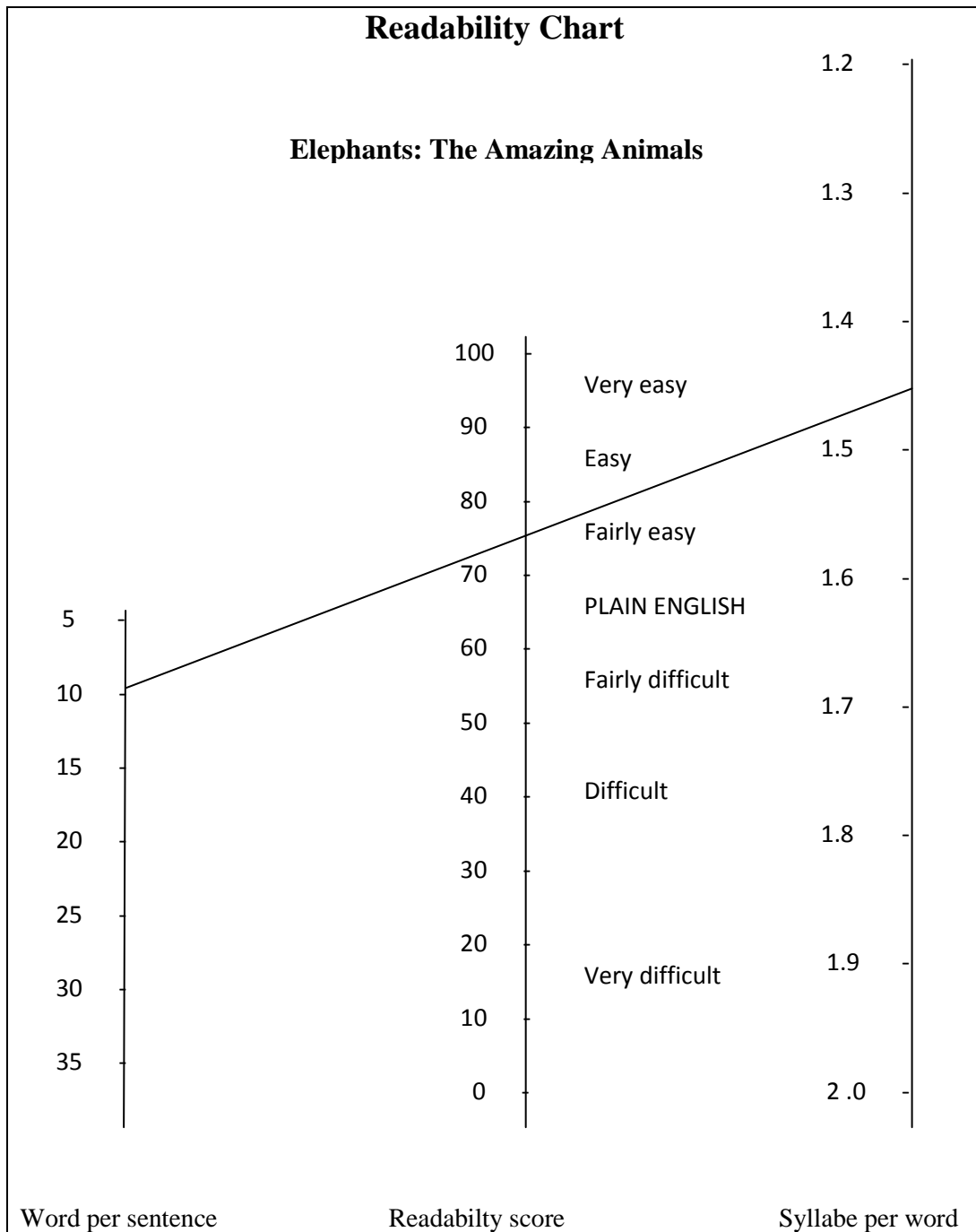
The chart shows that the text entitled “Birthday Traditions around the World” is in Plain English in which it has readability score of 66,32.



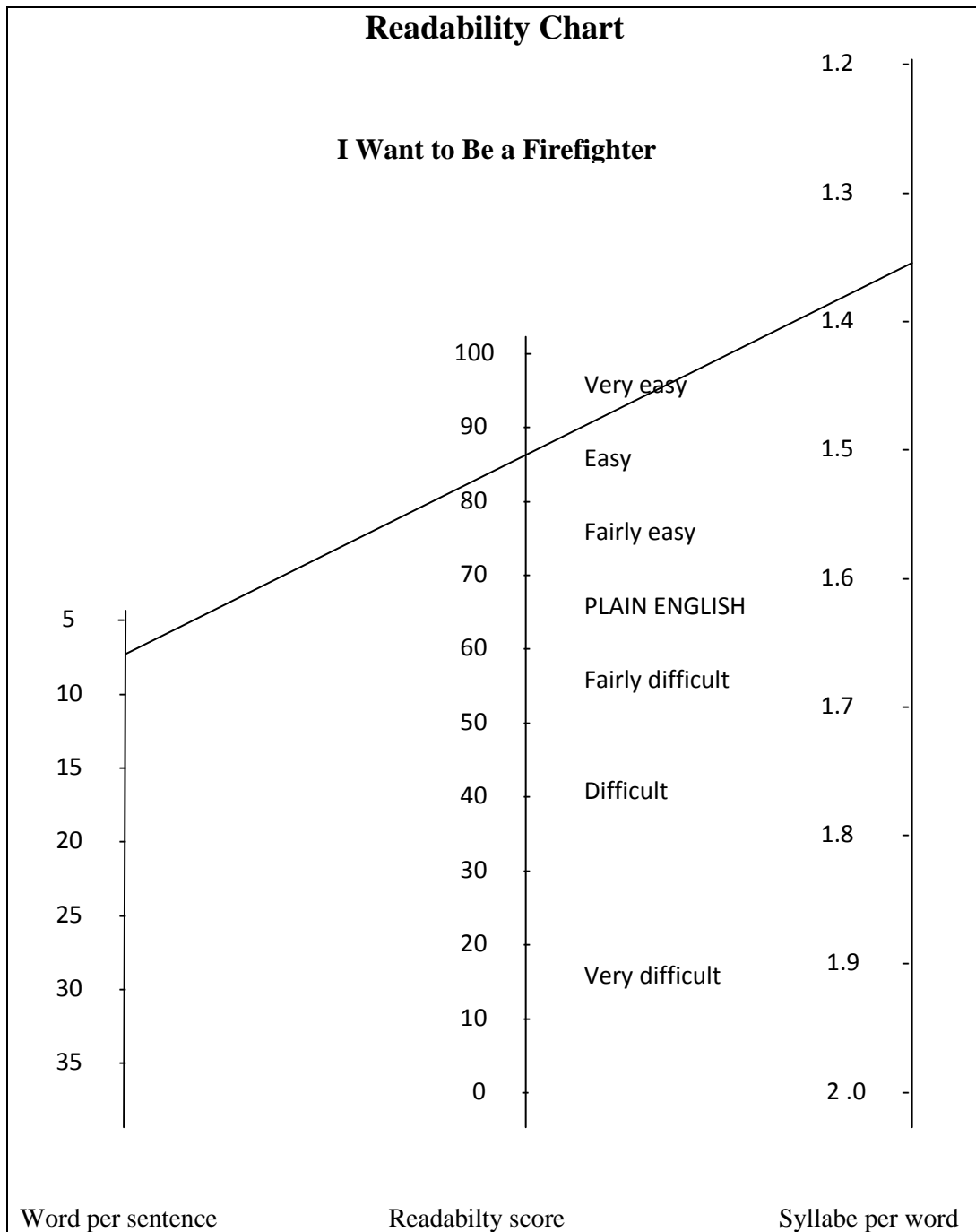
The chart shows that the text entitled “Tiger” is in Easy Level in which it has readability score of 82,15.



The chart shows that the text entitled “My Town, Wilson Creek” is in Fairly Easy Level in which it has readability score of 73,29.



The chart shows that the text entitled “Elephants: The Amazing Animals” is in Fairly Easy Level in which it has readability score of 74,79.



The chart shows that the text entitled “I Want to Be a Firefighter” is in Easy Level in which it has readability score of 85,20.

To get score for the readability level of the textbook, the writer calculates the number of syllables, words, and sentences of the selected reading texts as follows:

Table 4.5. The Average Number of Syllables, Words and Sentences of the Five Texts

No	Components	Text 1	Text 2	Text 3	Text 4	Text 5	Average
1	Syllables	291	349	348	348	203	307,8
2	Words	196	256	237	240	149	215,6
3	Sentences	13	27	24	26	23	22,6

$$ASL = \frac{\text{The Number of Words}}{\text{The Number of Sentences}}$$

$$ASL = \frac{215,6}{22,6}$$

$$= 9,54$$

$$ASW = \frac{\text{The Number of Syllables}}{\text{The Number of Words}}$$

$$ASW = \frac{307,8}{215,6}$$

$$= 1,43$$

The Average Readability Score:

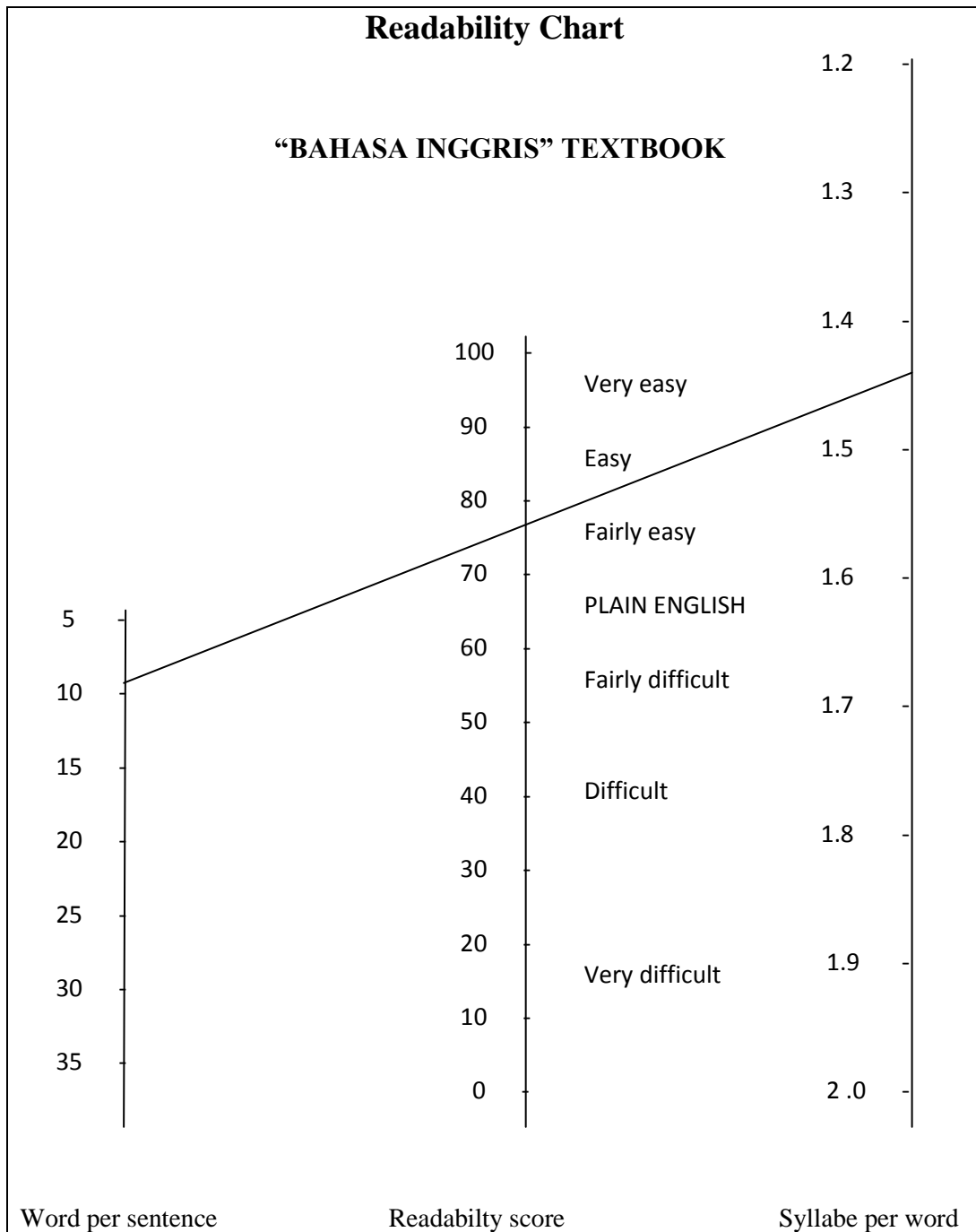
$$= 206,835 - (1,015 \times ASL) - (84,6 \times ASW)$$

$$= 206,835 - (1,015 \times 9,54) - (84,6 \times 1,43)$$

$$= 206,835 - (8,68) - (120,98)$$

$$= 77,17$$

Then, the result is put into the readability chart below:



The chart shows that the five reading text get the level of 77, 17. It means that the readability level of the textbook is easy level.

b. Cloze Test Procedure

Concerning the score of the readability level of texts, the writer calculates the result of Cloze Test into the description of the level as shown in the following table:

Table 4.6. The Readability Score of the Texts

Percentage of Score	Level	Text 1	Text 2	Text 3	Text 4	Text 5
> 60 %	Independent	14 Students (33,3%)	1 Students (2,4%)	42 Students (100%)	15 Students (35,7%)	42 Students (100%)
40% - 60%	Instruction	26 Students (61,9%)	11 Students (26,2%)	-	27 Students (64,3%)	-
< 40%	Frustration	2 Students (4,8%)	30 Students (71,4%)	-	-	-

From the table 4.5 and table 4.6, the writer calculates the data to find out the average score of readability level of textbook as shown in this following table:

Table 4.7 The Average Score of the Readability Level of the Selected Reading Texts

Texts	Text 1	Text 2	Text 3	Text 4	Text 5
Average	54,76%	33,90%	78,70%	57,48%	85,50%

The readability of the textbook can be measured by adding the average of each text which is presented in the table 4.7 above.

$$\text{The readability of textbook} = \frac{54,76\% + 33,90\% + 78,70\% + 57,48\% + 85,50\%}{5}$$

= 62,068%

B. Discussion

This research was conducted to describe the readability level of textbook. It was done by analyzing the selected reading texts of the textbook using Flesch Reading Ease Formula and Cloze Test Procedure.

By using Flesch Reading Ease Formula, the writer got the results of the calculation of the syllables, words, sentences, paragraphs, the average number of words per sentences, and the average number of syllables per sentence. The readability score of text entitled "Birthday Traditions around the World" is 66,32 (Plain English), the text "Tiger" is 82,15 (Easy Level), the text "My Town, Wilson Creek" is 73,29 (Fairly Easy Level), the text "Elephants: The Amazing Animals" is 74,79 (Fairly Easy Level), and the text "I Want to Be a Firefighter" is 85.20 (Easy Level). It means that none of the texts are in *very easy, difficult and very difficult level* according to Flesch Reading Scale. The average readability scores of all texts are **77,17**. It means that textbook is fairly easy to be understood by the students.

While from the result of Cloze test procedure, the writer got the data where the text "Birthday Traditions around the World" has cloze test score 54,76%, it means that the text are falls in *Instruction Level*. The text "Tiger" has cloze test score 33,90% in which in falls in *Frustration Level*. The text "My Town, Wilson Creek" has cloze test score 78,70% in which it falls in *Independent Level*. The text "Elephants: The Amazing Animals" has cloze test score 57,48% in which it falls in *Instruction Level*. The text "I Want to Be a Firefighter" has cloze

test score 85,50% in which it falls in *Independent Level*. The average readability score of the five texts is 62,068%. It means that the readability level of the textbook for seventh grade students published by Mediatama is *Independent Level*. The textbook is easy for the seventh grade students of SMP Negeri 1 Banjarmasin so that the learner can read full understanding and freedom from frustration.

From the data above, the writer can interpret that through both Flesch Reading Ease and Cloze Test, the textbook is readable and suitable for the seventh grade students of SMP Negeri 1 Banjarmasin. The students are easy to understand the reading texts of the textbook. The writer considers that it is good for using this book. The English teachers can select this one in facilitating English teaching learning process.