

CHAPTER 4

DATA ANALYSIS AND INTERPRETATION

4.1. PRODUCT ANALYSIS

In this section, the writer presents the product description, product evaluation, and product revision.

4.1.1. Product Description

The product was used as a workbook for students in SDI Al-Azhar 14 Semarang. This workbook aims to help students in the learning process that they can find out their strengths and weaknesses. It contains 10 activities in every unit. It also has illustrations to make students eager to practice.

4.1.1.1 Book Format

The writer printed the book in A4 size. The book has 50 pages which consists of table of contents and exercises. For the paper material, the writer chose *Ivory 260* for the cover and *HVS 100g* for the content. The font type used in the book is *Metropolis*. For the font size, the illustrator used 48 for the cover title, 18 for the instructions, and 11 for the exercises. The writer used 2,0 line spacing in order to ease the students to read.

4.1.1.2 Book Content

The writer used the material book (Cambridge Super Minds 4) as the source of the workbook. Since the workbook was made for

elementary students, the writer used a simple language for the content. The activities in the book are also made attractively.

4.1.1.3 Illustrations

The writer cooperated with an illustrator to design the illustrations in the book. The illustrator used Adobe Photoshop and Adobe Illustrator to draw the illustrations. The pictures in the book were designed appealingly to catch students' interest.

4.1.2. Product Evaluation

The writer asked one of the lecturers in Faculty of Language and Arts and the English teacher in SDI Al-Azhar 14 Semarang as the experts to give comments and suggestions. Here is the writer use a table to show the suggestions from the lecturer and teacher.

Table 4.1
Teacher and lecturer's comments and suggestions

| Comments | Suggestions |
|---------------------|---|
| Font size | Make sure all words are in the same font size. |
| Instruction | Use more specific instructions. It is also necessary to add examples. |
| Level of Difficulty | Pay attention to the level of difficulty order. Make sure the |

activities start from the easier to the difficult.

Illustration

Add more illustrations as the example to explain the instruction.

4.1.3. Product Revision

In this part, the writer explains the revision of the book. The revision was made after the writer acquired some suggestions from the teacher in SDI Al-Azhar 14 Semarang and some lecturers in Faculty of Language and Arts.

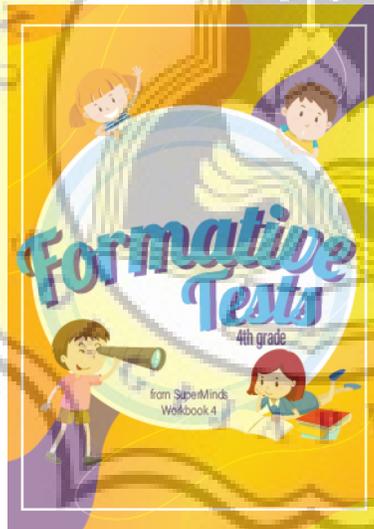


Figure 6. Original cover book design

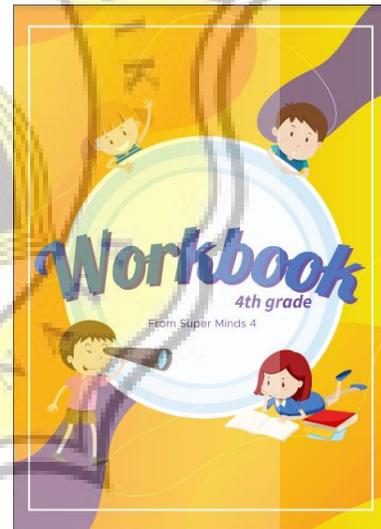


Figure 7. Cover book after revision

Figure 6 is the original cover book design, while figure 7 is the revision version after the examiner granted a suggestion in the proposal exam. He suggested to use “*Workbook*” for the title in the cover book since the words “*Formative Tests*” are less specific.

Next, the pictures below show that the illustrator made a mistake in placing the line (figure 8) so that the sentence became untidy. Then the writer asked the illustrator to revise the line (figure 9).

10. Look and draw lines to make sentences.

| | | | | |
|--|--------|-------|-----------|----------|
| 1. How  | little | egg | do we | needs? |
| | many | flour | are we | need? |
| | much | eggs | are there | needing? |

Figure 8. A mistake in placing the lines

10. Look and draw lines to make sentences.

| | | | | |
|--|--------|-------|-----------|----------|
| 1. How  | little | egg | do we | needs? |
| | many | flour | are we | need? |
| | much | eggs | are there | needing? |

Figure 9. After correction

The writer also found another mistake made by the illustrator. He put the words in the box incorrectly so that the words are not in accordance with the pictures. The writer put the pictures on the next page. Figure 4.5 shows the incorrect words, and figure 4.6 shows the correct words after the illustrator revised.

8. Write sentences. Make adverbs with the adjectives from the box.

| | | | | | |
|-----|-----------|-----------|---------|-------|------|
| bad | dangerous | beautiful | careful | quiet | loud |
|-----|-----------|-----------|---------|-------|------|



1. He is walking quietly.



2. They _____.



3. She _____.



4. We _____.



5. The dog _____.



6. He _____.

Figure 10. Incorrect words in the box. The words are not suitable with the pictures.

8. Write sentences. Make adverbs with the adjectives from the box.

| | | | | | |
|-------|-------|-----------|------|-------|------|
| quick | happy | dangerous | slow | quiet | loud |
|-------|-------|-----------|------|-------|------|



1. He is walking quietly.



2. They _____.



3. She _____.



4. We _____.



5. The dog _____.



6. He _____.

Figure 11. The words in the box are revised

4.2. DATA ANALYSIS

This section discusses the data analysis result to answer the problem formulation of this research which is “*What are the students' and teacher's opinions on the workbook made by the writer?*”. The writer collected the data by asking the students to fill the questionnaire accordingly. Here is the data analysis result:

Table 4.2

Analysis Descriptive Result

| Statements | N | Minimum | Maximum | Mean | Std. Deviation |
|---|----------|----------------|----------------|-------------|-----------------------|
| The choice of the font type is clear and interesting | 83 | 3 | 4 | 3.75 | 0.437 |
| The font size is not too big nor too small | 83 | 2 | 4 | 3.57 | 0.545 |
| The pictures in the book are attractive, and it helps me to understand the material | 83 | 3 | 4 | 3.77 | 0.423 |
| The color of the book is attractive | 83 | 2 | 4 | 3.58 | 0.544 |
| I'm interested in this book after seeing the appearance and the contents | 83 | 2 | 4 | 3.53 | 0.549 |
| The instructions are easy to understand | 83 | 2 | 4 | 3.48 | 0.651 |
| The activities are | 83 | 1 | 4 | 3.41 | 0.716 |

interesting, and it makes
me passionate to do the
exercises

I'd like to have this
book to study at home
with parents

83

1

4

3.47

0.631

I'm pleased if this book
is used at school

83

2

4

3.42

0.665

This book helps me to
learn English

83

2

4

3.63

0.578

The exercises in the
book are suitable with
the material

83

2

4

3.49

0.632

The exercises are easy

83

1

4

3.49

0.687

The language use in this
book is easy to
understand

83

2

4

3.63

0.534

I can find out my
weaknesses and
strengths through this
book

83

2

4

3.43

0.666

This book helps me in
learning something new
and fixing my mistakes

83

2

4

3.58

0.587

Total
Average

83

42

60

53.23

5.707

3.55

The table shows that the mean scores of all statements are >3 . The average of the mean scores is 3.55. It implies that the responses are positive. The writer explains each statement as follows:

4.2.1 Students' Opinions on the Font Type

The first statement *'The choice of the font type is clear and interesting'* aims to find out the students' opinions whether the font type is clear and easy to read. The minimum score of this statement is 3, while the maximum score is 4. The table below shows the result of the first statement:

Table 4.3
Students' opinions on the font type

| Descriptive Statistics | | | | | |
|--|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| The choice of the font type is clear and interesting | 83 | 3 | 4 | 3.72 | .450 |
| Valid N (listwise) | 83 | | | | |

The response in this statement is referred to positive response because the mean score is 3.72. The writer assumes that the font type is clear to be read by all students.

4.2.2 Students' Opinions on the Font Size

While the first statement aims to find out students' opinions on the font type, the second statement aims to find out students' opinions on the font

size. The statement is *'The font size is not too big nor too small'*. Here the writer shows the result of statement number two on the table below:

Table 4.4

Students' opinions on the font size

| Descriptive Statistics | | | | | |
|--|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| The font size is not too big nor too small | 83 | 2 | 4 | 3.55 | .569 |
| Valid N (listwise) | 83 | | | | |

The data shows that the font size is not too big nor too small. The mean score of the second statement is 3.55. It means the response is positive. The writer concludes that all students are comfortable to read the book with the font size designed.

4.2.3 Students' Opinions on the Pictures of the Book

The third statement is *'The pictures in the book are attractive, and it helps me to understand the material'*. This statement aims to find out students' opinions whether the pictures in the book can help them understand the exercises. Mcmath & Zimmer (1991) said that high quality pictures will help children in the learning process. The result of the third statement is attached on the table below:

Table 4.5
Students' opinions on the pictures of the book

| Descriptive Statistics | | | | | |
|---|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| The pictures in the book are attractive, and it helps me to understand the material | 83 | 3 | 4 | 3.77 | .423 |
| Valid N (listwise) | 83 | | | | |

The mean score for this statement is 3.77 which is referred to a positive response. In connection with Gersten (2006) who said illustrations can entertain children, Ms. H as the English teacher in SDI Al-Azhar 14 Semarang also said that she often use pictures in the exercises. The reason is that the students can understand the material more quickly. The writer assumes that all students are delightful if there are some pictures in a workbook.

4.2.4 Students' Opinions on the Color of the Book

This statement, *'The color of the book is attractive'*, is aimed to support the third statement which is the pictures of the book. Since the target of this research is elementary students, the writer chose to design a colorful book to make them interesting in learning. Here is attached the result of the fourth statement:

Table 4.6
Students' opinions on the color of the book

| Descriptive Statistics | | | | | |
|-------------------------------------|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| The color of the book is attractive | 83 | 1 | 4 | 3.54 | .611 |
| Valid N (listwise) | 83 | | | | |

The data shows that the fourth statement has a minimum score of 1 and a maximum score of 4. The mean score is 3.54 which can be indicated as a positive response. From this result, the writer assumes that the students like the color of the book.

4.2.5 Students' Opinions on Their Interest in the Book Design

While the third and the fourth statement are aimed to find out the students' opinion on the pictures and colors inside the book, this statement aims to know the students' opinion on the overall book design. People usually will buy a product by looking at the design first. The fifth statement is *'I'm interested in this book after seeing the appearance and the contents'*. The writer hopes that the students are attracted when they see the overall design. Here the writer shows the result:

Table 4.7
Students' opinions on their interest in the book design

| Descriptive Statistics | | | | | |
|--|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| I'm interested in this book after seeing the appearance and the contents | 83 | 2 | 4 | 3.52 | .571 |
| Valid N (listwise) | 83 | | | | |

The result shows that the mean score of the fifth statement is 3.52 which can be considered as a positive response. The minimum score of this statement is 2, and the maximum score is 4. The writer believes that all students are attracted when they see the book.

4.2.6 Students' Opinions on Their Understanding on the Instruction

Ms. H as the English teacher in SDI Al-Azhar 14 Semarang told the writer that the students sometimes do not understand the instruction given in the exercises. For that reason, the writer thinks that it is necessary to pay attention to the sentences for the instruction. The sixth statement, *'The instructions are easy to understand'*, aims to know whether the instructions can be understood well by the students or not. The writer attached the result below:

Table 4.8

Students' opinions on their understanding on the instruction

Descriptive Statistics

| | N | Minimum | Maximum | Mean | Std. Deviation |
|---|----|---------|---------|------|----------------|
| The instructions are easy to understand | 83 | 2 | 4 | 3.49 | .632 |
| Valid N (listwise) | 83 | | | | |

The result shows the minimum score is 2, and the maximum score is 4. For the mean score, this statement got 3.49 which can be indicated as a positive response. The writer assumes that most students are able to understand the instructions.

4.2.7 Students' Opinions toward the Book Activities

The seventh statement is *'The activities are interesting, and it makes me passionate to do the exercises'*. The writer needs to find out that she has made attractive activities in the workbook. The table below shows the result of this statement.

Table 4.9

Students' opinions toward the book activities

Descriptive Statistics

| | N | Minimum | Maximum | Mean | Std. Deviation |
|--|----|---------|---------|------|----------------|
| The activities are interesting, and it makes me passionate to do the exercises | 83 | 1 | 4 | 3.41 | .716 |
| Valid N (listwise) | 83 | | | | |

The seventh statement has a minimum score of 1 and a maximum score of 4. The mean score of this statement is 3.41. From the result, the writer indicates that the activities in the book are not boring.

4.2.8 Students' Opinions on Their Eagerness to Use the Book at Home with Parents

Aside from the design, the writer also desires to find out whether the students want to have the book to be used to study at home with parents. The statement is *'I'd like to have this book to study at home with parents'*. The result of the eight statement is attached as follow:

Table 4.10
Students' opinions on their eagerness to use the book at home with parents

Descriptive Statistics

| | N | Minimum | Maximum | Mean | Std. Deviation |
|--|----|---------|---------|------|----------------|
| I'd like to have this book to study at home with parents | 83 | 1 | 4 | 3.47 | .631 |
| Valid N (listwise) | 83 | | | | |

The mean score of this statement is 3.47. The writer assumes that the majority of students are eager to have the book to be used at home with their parents.

4.2.9 Students' Opinions on Their Eagerness to Use the Book at School

The writer expects that the workbook can be sold and used at the school, so she made this statement to find out if the students eager to use the book at school. The statement is *'I'm pleased if this book is used at school'*.

To see the result, the writer attached on the table below:

Table 4.11

Students' opinions on their eagerness to use the book at school

| Descriptive Statistics | | | | | |
|--|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| I'm pleased if this book is used at school | 83 | 2 | 4 | 3.42 | .665 |
| Valid N (listwise) | 83 | | | | |

After the writer analyzed the data, the mean score of the ninth statement is 3.42. It can be considered as a positive response. The minimum score of this statement is 2, and the maximum score is 4. Hence, the writer concludes that the majority of students eager to use the workbook at school.

4.2.10 Students' Opinions on Their English Skill after Using the Writer's

Product

The tenth statement, *'This book helps me to learn English'*, aims to find out students' opinions on the book function. The writer expects that the

workbook can help students in learning English. Here the writer shows the result after she analyze the data:

Table 4.12
Students' opinions on their English skill after using the writer's product

| Descriptive Statistics | | | | | |
|-------------------------------------|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| This book helps me to learn English | 83 | 2 | 4 | 3.63 | .578 |
| Valid N (listwise) | 83 | | | | |

The writer found that the mean score of the tenth statement is 3.63 which is referred to a positive response. The mean score is also supported by the minimum and the maximum score. The minimum score of this statement is 2, while the maximum score is 4. The writer assumes that the workbook can help the majority of students in SDI Al-Azhar 14 Semarang to learn English language.

4.2.11 Students' Opinions on the Book Suitability with the Material Book

The writer considered the suitability of the workbook with the material book. Thus, she needs to know whether her product is suitable or not. The statement is *'The exercises in the book are suitable with the material'*. The writer has to understand the material well before she design the workbook

(Boston 2002). To find out the answer, the writer analyzed the data and shows on the table below:

Table 4.13
Students' opinions on the book suitability with the material book

| Descriptive Statistics | | | | | |
|--|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| The exercises in the book are suitable with the material | 83 | 2 | 4 | 3.49 | .632 |
| Valid N (listwise) | 83 | | | | |

The mean score of the eleventh statement is 3.49 which can be considered as a positive response. The writer assumes that the majority of students find the workbook is suitable with the material book. Ms. H as the English teacher in SDI Al-Azhar 14 Semarang also commented that the writer's product is in accordance with the material book.

4.2.12 Students' Opinions on the Level of Difficulty

The level of difficulty in a testing product have to be considered (Nur Sartika Putri, Ujang Suparman, 2015). Thus, the writer has to design the workbook with the right level of difficulty, especially in arranging the exercises. The statement, *'The exercises are easy'*, aims to find out students' opinions whether the exercises in the book are easy or difficult. Here the writer shows the result of the data:

Table 4.14
Students' opinions on the level of difficulty

| Descriptive Statistics | | | | | |
|------------------------|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| The exercises are easy | 83 | 1 | 4 | 3.49 | .687 |
| Valid N (listwise) | 83 | | | | |

The mean score of the twelfth statement is 3.49. From the result, the writer assumes that almost all students in SDI Al-Azhar 14 Semarang doing the exercises at ease. The writer has arranged the exercises carefully after she was suggested by the English teacher when she did the pilot study.

4.2.13 Students' Opinions on the Language Use

The thirteenth statement is *'The language use in this book is easy to understand'*. This statement aims to know the students' opinions whether the writer has already use a simple language. As it has already known that the target is elementary students, the writer has to pay attention to the language use. She has to choose the right words and sentences. The simpler the sentences, the easier the students to learn. Here the writer attached the result of the thirteenth statement analysis:

Table 4.15
Students' opinions on the language use

| Descriptive Statistics | | | | | |
|---|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| The language use in this book is easy to understand | 83 | 2 | 4 | 3.63 | .534 |
| Valid N (listwise) | 83 | | | | |

The minimum score of this statement is 2, and the maximum score is 4. The mean score is 3.63 which can be indicated as a positive response. The writer assumes that the majority of students can understand the language well enough. She also observed the students when they did the exercises. The students seemed did not have much difficulty.

4.2.14 Students' Opinions on How the Book Helps Improving Their English Skill

The writer also expects that the students can improve their English skill through the workbook. To find out that problem, the writer made this statement: *'I can find out my weaknesses and strengths through this book'*. Boston (2002) implied that the feedback on a course can be helpful in learning process. When the students notice where their mistakes are, they can improve their skill. Therefore, this statement aims to find out students' opinions on how this book can help them improving their English skill. The writer attached the result of the data as follow:

Table 4.16

Students' opinions on how the book helps improving their English skill

| Descriptive Statistics | | | | | |
|--|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| I can find out my weaknesses and strengths through this book | 83 | 2 | 4 | 3.43 | .666 |
| Valid N (listwise) | 83 | | | | |

The mean score for the fourteenth is 3.44 which is referred to a positive response. The minimum score is 2, and the maximum score is 4. The writer indicates that the majority of students can find their strengths and weaknesses through this workbook to improve their skill.

4.2.15 Students' Opinions on How the Book Helps Them to Learn New Things

The last statement is *'This book helps me in learning something new and fixing my mistakes'*. The fifteenth statement aims to know students' opinions on how the book helps them to learn new things. The writer tried her best to design the test so that the students can find new things in her product. The result of the fifteenth statement is attached below:

Table 4.17
Students' opinions on how the book helps them to learn new things

| Descriptive Statistics | | | | | |
|---|----|---------|---------|------|----------------|
| | N | Minimum | Maximum | Mean | Std. Deviation |
| This book helps me in learning something new and fixing my mistakes | 83 | 2 | 4 | 3.58 | .587 |
| Valid N (listwise) | 83 | | | | |

The last statement has a minimum score of 2 and a maximum score of 4. The mean score of this statement is 3.58 which can be considered as a positive response. From the result, the writer assumes that the majority of students learn new things through the workbook. The writer also observed the students at the school. Their attitude showed that they have never did the exercises as the writer made.

4.3. INTERVIEW INTERPRETATION

The writer conducted an interview with an English teacher in SDI Al-Azhar 14 Semarang directly after she distributed the questionnaire on May 20th, 2019. The interview aims to get the teacher's opinion on the writer's product. The writer used transcript analysis method to analyse the interview result. This method is used to support the quantitative findings. Here is the statements about the teacher's opinion on the writer's product:

“Menurut saya, buku yang anda buat ini sudah cukup baik karena isinya sudah mencakup materi yang diajarkan di

sekolah. Anak-anak juga memang butuh banyak latihan, makanya saya pun sering membuat latihan-latihan soal untuk mereka. Dengan adanya buku ini, mereka pasti lebih terbantu dalam proses belajar. Gambar yang digunakan juga bagus dan menarik untuk anak-anak. Aktivitas-aktivitas dalam buku ini cukup menarik, sepertinya tidak akan membuat anak-anak bosan. Mungkin instruksinya saja dibuat lebih spesifik karena anak-anak biasanya bingung saat membaca instruksi. Urutan latihan soalnya juga lebih baik kalau dimulai dari yang paling mudah dulu, baru ke yang paling sulit. Overall sudah ok.” (wawancara dengan guru bahasa Inggris pada 20 Mei 2019)

“In my opinion, your product is good enough because the content is suitable with the material book. The students really need a lot of exercises. That is why I often make exercises for them. They will definitely be more helped with this book in the learning process. The illustrations used in this book are interesting for children. The activities are also attractive so they will not bored. Maybe you can pay attention to the instruction because they sometimes get confused when reading instructions. It is better if the exercise starts from the

easier to the difficult. Overall is good.” (*interview with the English teacher on May 20th, 2019*)

Based on the interview with the English teacher in SDI Al-Azhar 14 Semarang, it can be indicated that her opinion on the writer’s product is positive. She said that the writer’s product is suitable for the target. She agreed if the workbook is used at the school because the students need a lot of exercises to help them improving their English skill.

