CHAPTER IV

RESULTS

This chapter researcher describes the discussion about Presentation of Data, Data Analysis, and Revision of the Product.

A. Presentation of Data

This part is present about the data collected from try-out. The try-out in this study consists of expert validation and students' evaluation. The presentations of those data are present as follow.

1. The Result from Evaluation

The result of evaluation in this research consists of expert validation and try-out of the product result. The purposes were to know the validity of this media and the quality or attractiveness of the product. The result of evaluation is shown like follows.

a. The Expert Validation Result

To know the validity of this media the writer conducted validation to some experts. The criteria of media validation for the expert divided into two criteria, those were educational criteria for teaching material expert and layout criteria for teaching media exert. The result of this validation was to revise the media before this media is tried-out to the class.

By using the questioner that developed before the expert of teaching material validated the media that related to educational criteria. In this questionnaire the expert of teaching material should respond 13 questions. The experts of teaching material were two English teachers from MTs. Al Huda Bandung.

The data of experts of teaching material validation can be seen in following table.

Table 4.1. Expert of Teaching Material I Validation Result

No	Item	Scale	Category
1	1	5	H
2	2	5	H
3	3	4	H
4	4	4	H
5	5	4	H
6	6	5	H
7	7	5	H
8	8	5	H
9	9	4	H
10	10	4	H
11	11	5	H
12	12	5	H
13	13	4	H
n		59	
N		65	
H = High L = Low			

$$\text{Percentage} = \frac{score\ (n)}{score\ maximal\ (N)} \times 100\%$$

$$= \frac{59}{65} \times 100\%$$

$$= 90.76923\ \%$$

Table 4.2. Expert of Teaching Material II Validation Result

No	Item	Scale	Category
1	1	5	H
2	2	5	H
3	3	5	H
4	4	5	H
5	5	4	H
6	6	5	H
7	7	5	H
8	8	5	H
9	9	5	H
10	10	4	H
11	11	5	H
12	12	5	H
13	13	5	H
n		63	
N		65	
H = High L = Low			

$$\text{Percentage} = \frac{score\ (n)}{score\ maximal\ (N)} \times 100\%$$

$$= \frac{63}{65} \times 100\%$$

$$= 96.92308\ \%$$

Meanwhile, to know the validity of this media that related to layout criteria the researcher conducted validation to expert of teaching media also by using questionnaire that developed by the writer before. In this questionnaire the expert of teaching media should respond 17 questions that related to layout criteria of this product. The experts of teaching media consist of two experts, they are English teacher from MTs. Al Huda Bandung as a user of the media and teaching media lecturer from IAIN Tulungagung. The

data of experts of teaching media validation can be seen in following table.

Table 4.3. Expert of Teaching Media I Validation Result

No	Item	Scale	Category
1	1	4	H
2	2	4	H
3	3	5	H
4	4	5	H
5	5	4	H
6	6	4	H
7	7	4	H
8	8	4	H
9	9	4	H
10	10	5	H
11	11	4	H
12	12	3	H
13	13	4	H
14	14	4	H
15	15	5	H
16	16	5	H
17	17	4	H
n		72	
N		85	
H = High L = Low			

$$\text{Percentage} = \frac{score\ (n)}{score\ maximal\ (N)} \times 100\%$$

$$= \frac{72}{85} \times 100\%$$

$$= 84.70588\ \%$$

Table 4.4. Expert of Teaching Media II Validation Result

No	Item	Scale	Category
1	1	3	H
2	2	2	L
3	3	5	H
4	4	5	H
5	5	4	H
6	6	3	H
7	7	5	H
8	8	5	H
9	9	5	H
10	10	5	H
11	11	5	H
12	12	5	H
13	13	5	H
14	14	4	H
15	15	5	H
16	16	5	H
17	17	5	H
n		76	
N		85	
H = High			
L = Low			

$$\text{Percentage} = \frac{score\ (n)}{score\ maximal\ (N)} \times 100\%$$

$$= \frac{76}{85} \times 100\%$$

$$= 89.41176\ \%$$

b. The Try-Out of the Product Result

To know the attractiveness of this media the researcher conducted try-out that related to technical quality criteria. The try-out of the product divided into two try-outs, those are small group try-out and field trial (whole class). Both small group and field trial try-out were use questionnaire to collecting the data. In this questionnaire the students should respond 10 questions according to technical quality criteria.

In small group try-out there are 10 respondents that gave evaluation related to quality this product. The data of small group evaluation result can be seen in following table.

Table 4.5 Small Group Try-Out Result

No	Item	Scale 5	4	3	2	1	Res-pondent	Total Score	Mean	Cate-gory
1	1	2	8	0	0	0	10	42	4.2	H
2	2	2	8	0	0	0	10	42	4.2	H
3	3	6	3	1	0	0	10	45	4.5	H
4	4	6	3	1	0	0	10	45	4.5	H
5	5	3	7	0	0	0	10	43	4.3	H
6	6	2	7	1	0	0	10	41	4.1	H
7	7	9	1	0	0	0	10	49	4.9	H
8	8	2	8	0	0	0	10	42	4.2	H
9	9	3	7	0	0	0	10	43	4.3	H
10	10	4	5	1	0	0	10	41	4.1	H
n	433									
N	500									
H = High L = Low										

$$Percentage = \frac{score\ (n)}{score\ maximal\ (N)} \times 100\%$$

$$= \frac{433}{500} \times 100\%$$

$$= 86.6\ \%$$

In other hand, field trial try-out there are 23 respondents that gave evaluation related to quality this product. The data of field trial evaluation result can be seen in following table.

Table 4.6 Field Trial Try-Out Result

No	Item	Scale					Res-pondent	Total Score	Mean	Cate-gory
		5	4	3	2	1				
1	1	8	15	0	0	0	23	100	4.3478261	H
2	2	7	16	0	0	0	23	99	4.3043478	H
3	3	10	13	0	0	0	23	102	4.4347826	H
4	4	11	12	0	0	0	23	103	4.4782609	H
5	5	7	16	0	0	0	23	99	4.3043478	H
6	6	6	14	3	0	0	23	95	4.1304348	H
7	7	20	3	0	0	0	23	112	4.8695652	H
8	8	4	16	3	0	0	23	93	4.0434783	H
9	9	11	12	0	0	0	23	103	4.4782609	H
10	10	8	15	0	0	0	23	100	4.3478261	H
n		1006								
N		1150								
H = High										
L = Low										

$$\text{Percentage} = \frac{score\ (n)}{score\ maximal\ (N)} \times 100\%$$

$$= \frac{1006}{1150} \times 100\%$$

$$= 87.47826\ \%$$

B. Data Analysis

This part describes about data analysis from data presentation above. Then the conclusion of this data analysis is useful to revise the product and to know the quality or attractiveness of the product.

1. Data Analysis of Evaluation Result

In this part discuss about data analysis from validation and the try-out of the product. The validation of product result is used to revise the product and the try-out is used to evaluate the attractiveness of the product.

a. **Data Analysis of Validation Result**

From the presentation data of teaching material expert validation result above, we know the percentage result of educational criteria from expert of teaching material I was 90.76923%. Meanwhile, from the validation result of teaching material expert II was 96.92308%. Then, from the validation result between two of teaching material expert, we can calculate that the mean or average of the percentage result was 93.846155%.

According to average of percentage result of teaching material expert above the category of qualitative is very good based on education criteria. So, the writer can conclude that this teaching media is valid according to educational criteria and ready to implement in the class to be evaluated by students.

After that, the presentation data of teaching media expert validation result above, we know the percentage result of layout criteria from expert of teaching media I was 84.70588 %. Meanwhile, from the validation result of teaching media expert II was 89.41176 %. Then, from the validation result between two of teaching media experts, we can calculate that the mean or average of the percentage result was 87.05882 %.

According to average of percentage result of teaching media expert above the category of qualitative is very good based on layout criteria. So, the writer can conclude that this teaching media is valid

according to layout criteria and ready to implement in the class for more evaluation.

Beside that, the two teaching media experts also gave suggestion related to layout criteria for this teaching media. The suggestions from them is used to revise this product, the suggestions are:

a. The background color of the media should be revised become lighter color.

b. The animation/picture of the media should be more colorful.

c. The font of the media should be more interesting.

b. Data Analysis from Try-out Result

Based on the evaluation result from small group try-out that related to technical quality criteria was 87.47826 %. According to the range percentage, we can conclude that this teaching media had very good quality. So, this teaching media is proper and ready to implement in field trial evaluation without any revision.

Then, the data from the try-out of large group, in this case field trial try-out, the percentage was 87.47826 %. Based on the range of percentage of qualitative criteria, the researcher can conclude that this teaching media had very good quality. So, this teaching media is proper to use in English teaching learning process for VII grade students in second semester as multimedia-based teaching media.

C. Revision of the Product

Based on the data validation result from the teaching media expert, there are some revisions for this teaching media. The revision of the product is used to make the product more effective, efficient, and attractive. The components of the product which are revised are background color, animation/picture color, and font style. Then, the result of the revision describes like follows:

a. The background color of the media should be revised become lighter color.

Before revised, the background color of this media was dark purple. It was too dark color, so made the color between background and the content of material were not contrast.

Picture 4.1. Background Color of the Product before Revised

After revised, the background color of the product was revised into lighter color, in this case light blue.

Picture 4.2. Background Color of the Product after Revised

b. The animation/picture of the media should be more colorful.

Before revised, the color of animation/picture in this media was not

colorful (black and white color). So, made the animation/picture was not

interesting.

**Picture 4.3. Animation/picture Color of the Product before Revised**

After revised, the animation/picture color of the product was changed

into more colorful picture

Picture 4.4. Animation/picture Color of the Product after Revised

c. The font style of the media should be more interesting.

Before revised, the developer used Bernard MT Condensed style for

the font style of this media. It was too formal, so, should be revised.
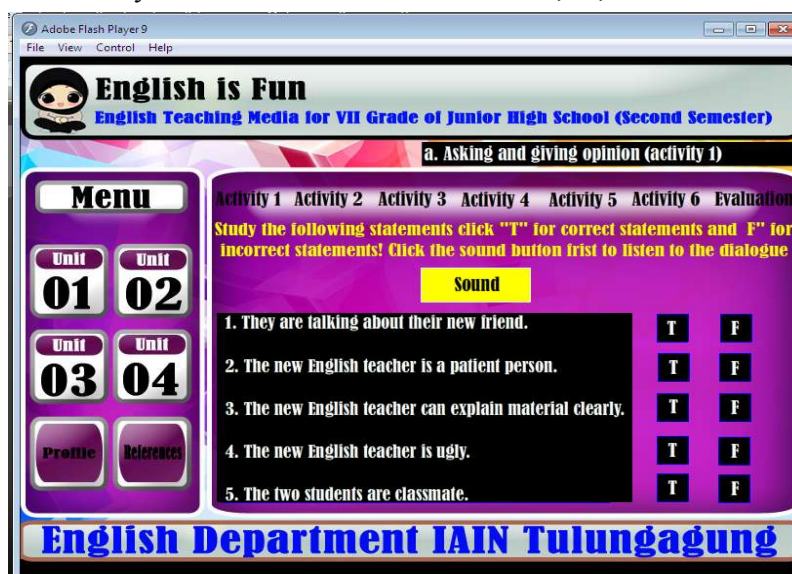
Picture 4.5. Font Style of the Product before Revised

After revised, the developer not only used one style font but also used many font styles. The developer also colored the font more colorful.

Picture 4.6. Font Style of the Product after Revised