## CHAPTER FOUR

## RESULTS AND DISCUSSION

This chapter describes the results of the research. As this study used descriptive quantitative, the researcher described the results of the research completely. The results essentially answered the research question. Also, this chapter shows the researcher's discussion to the results.

## Results

## Descriptive Statistic of Entire Questionnaire Items

After inputting the raw data into SPSS program, the computation and analysis of data to find the descriptive statistic of the questionnaire item was done through. Primarily, the questionnaire items were encoded as follows:

| Item <br> Number | Coding |  |
| :---: | :---: | :--- |
| 1 | Q1 | I recognize the main idea shown in the whole text. |
| 2 | Q2 | I recognize the way the author persuades the readers (e.g. emotional <br> touching, reasoning, authority, etc.) |
| 3 | Q 3 | I recognize the debate shown in the text |

After data analysis, descriptive statistic of this research was found as shown on Table 4.1 below.

Table 4.1. The Descriptive Statistics of Questionnaire Items.

|  | N <br> Statistic | Sum <br> Statistic | Mean <br> Statistic | Std. <br> Deviation <br> Statistic | Skewness |  | Kurtosis |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Statistic | Std. <br> Error | Statistic | Std. <br> Error |
| Q1 | 264 | 746 | 2.83 | . 785 | -. 015 | . 150 | -. 749 | . 299 |
| Q2 | 264 | 733 | 2.78 | . 897 | -. 499 | . 150 | . 161 | . 299 |
| Q3 | 264 | 693 | 2.62 | . 780 | -. 058 | . 150 | -. 402 | . 299 |
| Q4 | 264 | 635 | 2.41 | . 822 | . 038 | . 150 | -. 323 | . 299 |
| Q5 | 264 | 646 | 2.45 | . 866 | . 059 | . 150 | -. 315 | . 299 |
| Q6 | 264 | 624 | 2.36 | . 787 | . 058 | . 150 | -. 190 | . 299 |
| Q7 | 264 | 530 | 2.01 | . 836 | -. 171 | . 150 | -. 040 | . 299 |
| Q8 | 264 | 554 | 2.10 | . 844 | -. 036 | . 150 | -. 360 | . 299 |
| Q9 | 264 | 449 | 1.70 | . 901 | . 155 | . 150 | -. 057 | . 299 |
| Q10 | 264 | 570 | 2.16 | . 989 | . 008 | . 150 | -. 371 | . 299 |
| Valid N (listwise) | 264 |  |  |  |  |  |  |  |

The table above also indicates that all questionnaire items are valid and normal.
The normality of items are seen from the skewness value that is in range between -0.1 to 0.1 .

## Frequency Analysis of Questionnaire Items

This section presents the description of the frequency table of the entire questionnaire items in sequence. Clear explanations will follow each table.

Table 4.2 shows the frequency of the questionnaire item number 1: I recognize the main idea shown in the whole text.

Table 4.2. Frequency on Item Number 1: I recognize the main idea shown in the
whole text.

| Q1 | Frequency | Percent | Valid Percent | Cumulative <br> Percent |
| :--- | ---: | ---: | ---: | ---: |
| Valid Rarely | 7 | 2.7 | 2.7 | 2.7 |
| Sometimes | 87 | 33.0 | 33.0 | 35.6 |
| Often | 115 | 43.6 | 43.6 | 79.2 |
| Always | 55 | 20.8 | 20.8 | 100.0 |
| Total | 264 | 100.0 | 100.0 |  |

From the table above, seven out of 264 (2.7\%) respondents rarely recognize the main idea in the text. Meanwhile, 87 out of $264(33 \%)$ respondents sometimes recognize the main idea. Then, 115 out of $264(43.6 \%)$ respondents often recognize the main idea in the text. Furthermore, 55 out of 264 (20.8\%) respondents state that they always recognize the main idea in the text. The table also shows that all data are $100 \%$ valid.

Table 4.3 shows the result of the frequency of the questionnaire item number 2: I recognize the way the author persuades the readers (e.g. emotional touching, reasoning, authority, etc.)

Table 4.3. Frequency on Item Number 2

| Q2 | Frequency | Percent | Valid Percent | Cumulative <br> Percent |
| :--- | ---: | ---: | ---: | ---: |
| Valid Never | 4 | 1.5 | 1.5 | 1.5 |
| Rarely | 14 | 5.3 | 5.3 | 6.8 |
| Sometimes | 76 | 28.8 | 28.8 | 35.6 |
| Often | 113 | 42.8 | 42.8 | 78.4 |
| Always | 57 | 21.6 | 21.6 | 100.0 |
| Total | 264 | 100.0 | 100.0 |  |

The table above indicates four out of 264 (1.5\%) respondents never recognize the way author persuade readers. Then, $5.3 \%$ students are rarely, $28.8 \%$ students are sometimes, $42.8 \%$ students are often, and $21.6 \%$ students always recognize the way author persuade readers.

Table 4.4 shows the result of the frequency of the questionnaire item number 3: I recognize the debate shown in the text

Table 4.4. Frequency on Item Number 3: I recognize the debate shown in the text

| Q3 | Frequency | Percent | Valid Percent | Cumulative <br> Percent |
| :--- | ---: | ---: | ---: | :---: |
| Valid Rarely | 17 | 6.4 | 6.4 | 6.4 |
| Sometimes | 97 | 36.7 | 36.7 | 43.2 |
| Often | 118 | 44.7 | 44.7 | 87.9 |
| Always | 32 | 12.1 | 12.1 | 100.0 |
| Total | 264 | 100.0 | 100.0 |  |

From the table above, 17 out of 264 (6.4\%) respondents rarely recognize the debate shown in the text. Meanwhile, 97 out of 264 (36.7\%) respondents sometimes recognize the debate shown. Then, 118 out of 264 (44.7\%) respondents often recognize the debate shown in the text. Furthermore, 32 out of 264 (12.1\%) respondents always recognize the debate shown in the text.

Table 4.5 shows the result of the frequency of the questionnaire item number 4: I recognize the reasons and methods used by the author to strengthen his idea (historic, politic, scientific, etc.).

Table 4.5. Frequency on Item Number 4: I recognize the reasons and methods used by the author to strengthen his idea (historic, politic, scientific, etc.).

|  | Q4 | Frequency | Percent | Valid Percent | Cumulative <br> Percent |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Valid | Never | 1 | . 4 | . 4 | . 4 |
|  | Rarely | 31 | 11.7 | 11.7 | 12.1 |
|  | Sometimes | 115 | 43.6 | 43.6 | 55.7 |
|  | Often | 94 | 35.6 | 35.6 | 91.3 |
|  | Always | 23 | 8.7 | 8.7 | 100.0 |
|  | Total | 264 | 100.0 | 100.0 |  |

The table above shows that 23 out of 264 (8.7\%) respondents always the reasons and methods used by the author to strengthen his idea. Also, 94 out of 264 (35.6\%) respondents often, 115 out of 264 ( $43.6 \%$ ) respondents sometimes, 31 out of 264 ( $11.7 \%$ ) respondents rarely, and one out of $264(0.4 \%)$ respondents never recognize the reasons and methods used by the author to strengthen his idea.

Table 4.6 shows the result of the frequency of the questionnaire item number 5: I am aware of the authenticity of the conclusion in the text.

Table 4.6. Frequency on Item Number 5: I am aware of the authenticity of the conclusion in the text.

| Q5 | Frequency | Percent | Valid Percent | Cumulative <br> Percent |
| :--- | ---: | ---: | ---: | :---: |
| Valid Never | 2 | .8 | .8 | .8 |
| Rarely | 28 | 10.6 | 10.6 | 11.4 |
| Sometimes | 116 | 43.9 | 43.9 | 55.3 |
| Often | 86 | 32.6 | 32.6 | 87.9 |
| Always | 32 | 12.1 | 12.1 | 100.0 |
| Total | 264 | 100.0 | 100.0 |  |

From the table above, two out of $264(0.8 \%)$ respondents never aware the authenticity authenticity of the conclusion in the text. Meanwhile, 28 out of 264 (10.6\%) respondents rarely aware. Then, 116 out of 264 (43.9\%) respondents sometimes aware. Furthermore, 86 out of 264 (32.6\%) respondents often aware, and 32 out of $264(32 \%)$ always that they state always aware the authenticity of the conclusion in the text.

Table 4.7 shows the result of the frequency of the questionnaire item number 6: I recognize the validity of the example used to support the main idea/theory.

Table 4.7. Frequency on Item Number 6: I recognize the validity of the example used to support the main idea/theory.

| Q6 | Frequency | Percent | Valid Percent | Cumulative <br> Percent |
| :--- | ---: | ---: | ---: | :---: |
| Valid Never | 1 | .4 | .4 | .4 |
| Rarely | 30 | 11.4 | 11.4 | 11.7 |
| Sometimes | 123 | 46.6 | 46.6 | 58.3 |
| Often | 92 | 34.8 | 34.8 | 93.2 |
| Always | 18 | 6.8 | 6.8 | 100.0 |
| Total | 264 | 100.0 | 100.0 |  |

The table above shows that 18 out of $264(6.8 \%)$ respondents always recognize the validity of the example. Then, 92 out of 264 ( $34.8 \%$ ) respondents often recognize, 123 out of $264(46.6 \%)$ respondents sometimes recognize, 30 out of 264 (11.4\%) respondents rarely recognize, and only one out of 264 ( $0.4 \%$ ) respondents never recognizes the validity of the example.

Table 4.8 shows the result of the frequency of the questionnaire item number 7: I recognize the accuracy of the sources used in the text

Table 4.8. Frequency on Item Number 7

|  | Q7 | Frequency | Percent | Valid Percent | Cumulative Percent |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Valid | Never | 10 | 3.8 | 3.8 | 3.8 |
|  | Rarely | 55 | 20.8 | 20.8 | 24.6 |
|  | Sometimes | 128 | 48.5 | 48.5 | 73.1 |
|  | Often | 65 | 24.6 | 24.6 | 97.7 |
|  | Always | 6 | 2.3 | 2.3 | 100.0 |
|  | Total | 264 | 100.0 | 100.0 |  |

The table above shows that six out of 264 (3.8\%) respondents always recognize the accuracy of the sources. Also, 65 out of 264 (24.6\%) respondents often recognize, 128 out of 264 (48.5\%) respondents sometimes recognize, 55 out of 264 (20.8\%) respondents are in rarely recognize, and ten out of 264 (3.8\%) respondents never recognize the accuracy of the sources.

Table 4.9 shows the result of the frequency of the questionnaire item number 8: I recognize the relevancy of the data shown to support an argument in the text.

Table 4.9. Frequency on Item Number 8

|  |  |  |  | Cumulative <br> Percent |
| :--- | ---: | ---: | ---: | ---: |
| Falid Never | 5 | 1.9 | 1.9 | 1.9 |
| Rarely | 58 | 22.0 | 22.0 | 23.9 |
| Sometimes | 116 | 43.9 | 43.9 | 67.8 |
| Often | 76 | 28.8 | 28.8 | 96.6 |
| Always | 9 | 3.4 | 3.4 | 100.0 |
| Total | 264 | 100.0 | 100.0 |  |

The table above shows that 9 out of 264 (3.4\%) respondents always recognize the relevancy of the data shown to support an argument in the text. Then, 76 out of 264 (28.8\%) often recognize, 116 out of 264 (43.9\%) respondents sometimes recognize, 58 out of 264 (22\%) respondents rarely recognize, and five out of $264(1.9 \%)$ respondents never recognize the relevancy of the data shown to support an argument in the text.

Table 4.10 shows the result of the frequency of the questionnaire item number 9: I make a resume of a text I read.

Table 4.10. Frequency on Item Number 9

| Q9 |  |  |  | Cumulative <br> Prequency |
| :--- | ---: | ---: | ---: | :---: |
| Percent | Valid Percent | Percent |  |  |
| Valid Never | 22 | 8.3 | 8.3 | 8.3 |
| Rarely | 85 | 32.2 | 32.2 | 40.5 |
| Sometimes | 114 | 43.2 | 43.2 | 83.7 |
| Often | 36 | 13.6 | 13.6 | 97.3 |
| Always | 7 | 2.7 | 2.7 | 100.0 |
| Total | 264 | 100.0 | 100.0 |  |

The table above indicates only three out of 264 (1.1\%) respondents never make a resume of a reading text. Then, 28 out of 264 (10.6\%) respondents rarely make resume, 116 out of $264(43.9 \%)$ sometimes make resume, 86 out of 264 (32.6\%) often make a resume, and 32 out of 264 (12.1\%) respondents always make a resume of a reading text.

Table 4.11 shows the result of the frequency of the questionnaire item number 10: I write an opinion (argumentative paragraph) towards the text I read.

Table 4.11. Frequency on Item Number 10: I write an opinion (argumentative paragraph) towards the text I read

|  |  |  |  | Cumulative <br> Q10 |
| :--- | ---: | ---: | ---: | ---: |
| Frequency | Percent | Valid Percent | Percent |  |
| Valid Never | 11 | 4.2 | 4.2 | 4.2 |
| Rarely | 53 | 20.1 | 20.1 | 24.2 |
| Sometime | 108 | 40.9 | 40.9 | 65.2 |
| Often | 67 | 25.4 | 25.4 | 90.5 |
| Always | 25 | 9.5 | 9.5 | 100.0 |
| Total | 264 | 100.0 | 100.0 |  |

The table above shows that 25 out of $264(9.5 \%)$ respondents always write an argumentative paragraph towards reading text. Also, 67 out of 264 (25.4\%) respondents often write an argumentative paragraph towards reading text. Then, 108 out of $264(40.9 \%)$ respondents sometimes write an argumentative paragraph. Moreover, 53 out of 264 ( $20.1 \%$ ) respondents rarely write an argumentative paragraph. Furthermore, 11 out of 264 (4.2\%) never write an argumentative paragraph.

## Critical Reading Levels of PBI UMY Students

This section revealed the distribution of PBI UMY students' critical reading levels. Firstly, the frequency table of total score from each levels was emerged. The frequency was explained in detail on Table 4.12 below.

Table 4.12. Frequency Table of Total Scores

|  |  | Total analyzing score | Total evaluating score | Total creating score |
| :---: | :---: | :---: | :---: | :---: |
| N | Valid | 264 | 264 | 264 |
|  | Missing | 0 | 0 | 0 |
| Mean |  | 10.63 | 8.92 | 3.86 |
| Std. Deviation |  | 2.245 | 2.457 | 1.641 |
| Skewness |  | . 007 | . 091 | . 029 |
| Std. Error of Skewness |  | . 150 | . 150 | . 150 |
| Kurtosis |  | -. 343 | . 169 | . 175 |
| Std. Error of Kurtosis |  | . 299 | . 299 | . 299 |
| Sum |  | 2807 | 2354 | 1019 |
| Percentiles | 20 | 9.00 | 7.00 | 2.00 |
|  | 40 | 10.00 | 8.00 | 4.00 |
|  | 60 | 11.00 | 10.00 | 4.00 |
|  | 80 | 13.00 | 11.00 | 5.00 |

From Table 4.13 above, students who passed $60 \%$ is written in bold letter. The bold ones referred to exact numbers of students in that level. After that, the percentage of each levels were accumulated as the result of the population. To analyze this, the data from frequency table of overall levels' summary was collected (see Table 4.13). After that, only for those who gained average score higher than $60 \%$ of the maximal score was categorized as students who occupied in particular levels. The categorizing that took $60 \%$ of maximal score was not only based on percentile in the table of frequency, but also, the value indicated that students were often and/or always doing critical reading.

Table 4.13. Total Scores of Each Level

| Total Analyzing Scores |  |  | Total Evaluating Scores |  |  | Total Creating Scores |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Valid | Frequency | Percent | Valid | Frequency | Percent | Valid | Frequency | Percent |
| 5 | 3 | 1.1 | 2 | 1 | . 4 | 0 | 8 | 3.0 |
| 6 | 7 | 2.7 | 3 | 1 | . 4 | 1 | 8 | 3.0 |
| 7 | 8 | 3.0 | 4 | 10 | 3.8 | 2 | 41 | 15.5 |
| 8 | 24 | 9.1 | 5 | 8 | 3.0 | 3 | 42 | 15.9 |
| 9 | 43 | 16.3 | 6 | 23 | 8.7 | 4 | 78 | 29.5 |
| 10 | 47 | 17.8 | 7 | 30 | 11.4 | 5 | 50 | 18.9 |
| 11 | 39 | 14.8 | 8 | 37 | 14.0 | 6 | 25 | 9.5 |
| 12 | 39 | 14.8 | 9 | 47 | 17.8 | 7 | 5 | 1.9 |
| 13 | 22 | 8.3 | 10 | 45 | 17.0 | 8 | 7 | 2.7 |
| 14 | 19 | 7.2 | 11 | 26 | 9.8 |  |  |  |
| 15 | 12 | 4.5 | 12 | 19 | 7.2 |  |  |  |
| 16 | 1 | . 4 | 13 | 7 | 2.7 |  |  |  |
|  |  |  | 14 | 5 | 1.9 |  |  |  |
|  |  |  | 15 | 3 | 1.1 |  |  |  |
|  |  |  | 16 | 2 | . 8 |  |  |  |
| Total | 264 | 100.0 | Total | 264 | 100.0 | Total | 264 | 100.0 |

Students at the Analyzing Level. Students in this level were the students who surpassed the analyzing level in Bloom's Taxonomy. Specifically, the percentage of students who were at the analyzing level of critical reading was 93 : $264 \times 100 \%=35.23 \%$. It implies that in PBI UMY, the percentage of students who were at the analyzing level of critical reading was $45.83 \%$ out of the whole PBI UMY student population.

Students at the Evaluating Level. Students in this level were the students who surpassed the analyzing level in Bloom's Taxonomy. Based on the Table 4.13, the percentage of students who were at the analyzing level of critical reading
was $62: 264 \times 100 \%=23.48 \%$. It implies that in PBI UMY, the percentage of students who were at the evaluating level of critical reading was $23.48 \%$ out of the whole PBI UMY student population.

Students at the Creating Level. Students in this level were the students who outstripped the analyzing and evaluating levels in Bloom's Taxonomy. Based on the Table 4.13, the percentage of students who were at the creating level of critical reading was $87: 264 \times 100 \%=32.95 \%$. It implies, in PBI UMY, the percentage of students who were at the creating level of critical reading was $32.95 \%$ out of the whole PBI UMY student population.

Figure 4.1 below is the graphic of critical readers' population at PBI UMY. The straight line indicates the population of students at the analyzing level. The dashed line indicates the population of students at the evaluating level. Meanwhile, the dotted line indicates the students' population at the creating level.

Figure 4.1. The Critical Readers' Population and Distributions


Figure above revealed the population of PBI UMY students' critical reading levels. In analyzing level, that was the cumulative percentages of creating, evaluating, and analyzing level. Meanwhile, the evaluating level was the accumulation of analyzing and evaluating. The result indicated that students of PBI UMY who were in analyzing level, which also were considered as critical readers, were $92 \%$ out of total population. Also, the students who were in evaluating level are $59 \%$ out of total population. Then, the students who were in creating level are $33 \%$ out of total population. Unfortunately, there were still $8 \%$ of PBI UMY student population that were below the standard levels of being critical readers.

## Students’ Ability of Critical Reading

The levels of critical reading were classified in three highest levels as stated in revised Bloom's Taxonomy. They were analyzing, evaluating, and creating. Table 4.14 shows the total and average score of every levels taken from the questionnaire.

Table 4.14. Overall score for critical reading levels

|  | Overall <br> analyzing score | Overall <br> evaluating score | Overall creating <br> score |
| :--- | ---: | ---: | ---: |
| N | Valid | 264 | 264 |
|  | Missing | 0 | 0 |
| Mean | 10.63 | 0.92 | 0 |
| Std. Deviation | 2.245 | 2.457 | 3.86 |
| Skewness | .007 | .091 | 1.641 |
| Std. Error of | .150 | .029 |  |
| Skewness | 2807 | .150 | .150 |
| Sum | 2354 | 1019 |  |

The percentage of critical reading levels in PBI UMY was taken from the mean of each category (analyzing, evaluating, and creating). Then, the mean score was divided by the maximal score of each category.

Ability at the analyzing level. Based on Table 4.14, the percentage of PBI UMY students' ability at the analyzing level was $10.53: 16 \times 100 \%=$ $66.45 \%$. This assumed that a PBI UMY student had an ability in analyzing level equally $66.45 \%$.

Ability at the evaluating level. Based on Table 4.14, the percentage of PBI UMY students' ability at the evaluating level was 8.92 : $16 \times 100 \%=$ $55.73 \%$. This assumed that a PBI UMY student had an ability in evaluating level equally $55.73 \%$.

Ability at creating level. Based on the Table 4.12, the percentage of all PBI UMY students' ability at the creating level was $3.86: 8 \times 100 \%=48.25 \%$. This assumed that a PBI UMY student had an ability in creating level equally $48.25 \%$.

Figure 4.2. Students' Abilities in Critical Reading


Figure 4.2 shows the levels of PBI UMY students' critical reading abilities. It was shown that students' ability at the analyzing level was $66.45 \%$, while the ability at the evaluating level was $55.73 \%$, and ability at the creating level was $48.25 \%$.

## Discussion

## Critical Reading Levels: Population and Distribution.

The population referred to overall students in PBI UMY, while the distribution referred to the exact percentages of students who were capable of analyzing, evaluating, and creating. As seen from Figure 4.1, the students who were at the creating level, was $33 \%$. Therefore, it could be categorized that population of PBI UMY students who were able to create (write) a text based on a reading was low. Meanwhile, the population of students who were at the evaluating levels was $59 \%$. So, this means that students who were able to evaluate text are in moderate population. Furthermore, students' population at the analyzing level was $92 \%$. It was categorized that PBI UMY had very high population of students who were in this particular level. Since the requirement of being critical reader was to occupy analyzing level (Kurland, 2010; Huijie, 2010; Duncan, 2014), the result also indicated that most PBI UMY students were critical readers regardless their particular abilities. Therefore, if linked with other previous studies, most students of PBI UMY might be able to create an argumentative writing (Ramadani et al., 2013). Also, PBI UMY students might get a better achievement due to their critical reading (Jannah, 2011).

Certainly, the population of less-critical readers were also revealed in this research. The less-critical readers were those who were not reaching analyzing level. The percentage of PBI UMY students that are less-critical readers was actually $8 \%$ which also was addressed as a very low population. This could happen for several probabilities. First, it was the students themselves who might
not have a high level of thinking or reading comprehension, or, second, lecturers in PBI UMY probably have not implemented learnings that can encourage students' critical reading. In addition, it could be the combination of those two. Also, the population of critical readers which was very high indicated several likelihoods. It was whether students themselves who possessed a higher order of thinking or, probably, the learning process in PBI UMY, which forced students to read extremely much as the assignments, had successfully driven the students to be critical readers. Otherwise, it could be the combination of those two. The assumptions above which tell the probabilities affecting the levels of critical reading was not particularly explored further in this research. From beginning, this research was focused only in investigating students' critical reading levels' population and abilities.

## Critical Reading Levels: Abilities

From Figure 4.2, the results showed that PBI UMY students' ability in analyzing was $66.45 \%$. Also, students' evaluating ability were $55.73 \%$. Meanwhile, the level of creating ability of PBI UMY students was $48.25 \%$. This results were revealed through the questionnaire items which were investigating students' critical reading level. Indeed, the respondents mostly chose 'rarely' and 'sometimes' in answering the questionnaire.

To categorize those levels, the table of scoring index for classifying critical reading levels was applied (see Table 3.2). In analyzing text (Figure 4.2), students of PBI UMY had a high ability. This clarified that most of students at PBI UMY had high ability to analyze the text. It implied that they had high ability
to identify main idea (Surjosuseno \& Watts, 1999), to recognize the authors' motives to persuade readers (Duncan, 2014), and to recognize author's perspective (Paul, 1990). In evaluating text, students of PBI UMY were categorized in moderate level. It implied that if the students were to evaluate the authenticity of the text (Gunawan \& Palupi, 2012), to recognize the origin of the sources, and to recognize the relevancy of the supporting data in a text (Duncan, 2014), their ability was moderate. Meanwhile, in creating level, students' ability was categorized as low. This meant that students' ability to make an argumentative text to express their opinion and to summarize a reading text was low. In other words, they might be able to create responses, but their ability was low.

The whole results indicated that higher levels of critical reading were generally more difficult to master. This was precisely linked to Bloom's Taxonomy's postulate that to achieve higher level, the more complex skill is needed (Gunawan \& Palupi, 2012). Mustadi (2010) also says that to read critically needs more complex comprehension. Huijie (2010), as well as Paul (1990), states that critical reading needs higher level of thinking.

