## CHAPTER IV

## RESEARCH FINDING AND DISCUSSION

This chapter will explain the finding and discussion of the research. The finding present about what the researcher found during the study, based on instrument that are questionare and documentation. The items that will be presented are presentation of data, hypothesis, and discussion.

## A. Presentation of the Data

To find out the answer of the research problem, researcher need to present of the data. There are two variable of this research, there are problem based learning and English achievement.

## 1. Problem Based Learning

Based on the explaination on the previous chapter in chapter III, the problem based online learning data are obtain by using questionnaire form. This data is collected as proven with construct validity that researcher measure by using SPSS 20 process and also the reability proven by SPSS 20. The validity and reability data of the students confidence as follow:
a. Result of the Questionaire

The researcher use questionnaire as an instrument of this data. The data obtained from the questionaire will be analyze by using the statistical method. The questionaire consist of 15 question and 5 alternative answer namely,
always, sometimes, and never. Because the qanswer of the data is not numerical, so the researcher change it to be numerical from by giving the score in every altenative answer, it is called as rating score. ${ }^{1}$

1. The score answer of (SS) is 5 .
2. The score answer of $(\mathrm{S})$ is 4 .
3. The score answer of $(\mathrm{N})$ is 3 .
4. The score answer of (TS) is 2 .
5. The score answer of (STM) is 1 .

In this case the researcher makes the table of problem based online learning of the questionair. It can be seen in table 4.1

[^0]Table 4.1

Problem Based Online Learning score

| N | Student Name | Nomor Butir Angket |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Total Score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| O |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |  |
| 1 | ADI IKMALUL | 3 | 3 | 2 | 5 | 4 | 4 | 3 | 2 | 3 | 2 | 4 | 5 | 4 | 4 | 1 | 49 |
| 2 | AHMAD IHSANUR | 5 | 3 | 3 | 3 | 3 | 5 | 3 | 4 | 3 | 2 | 5 | 4 | 5 | 2 | 5 | 55 |
| 3 | AHMAD MAULIDI | 5 | 4 | 2 | 3 | 4 | 4 | 2 | 4 | 4 | 3 | 3 | 5 | 5 | 3 | 3 | 54 |
| 4 | AHSANUL HAFIDZI | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 4 | 4 | 3 | 1 | 3 | 42 |
| 5 | ALFI SAFITRI | 4 | 3 | 2 | 4 | 5 | 4 | 4 | 2 | 3 | 2 | 5 | 5 | 4 | 2 | 1 | 50 |
| 6 | ANDI MOHAMMAD I | 4 | 3 | 3 | 5 | 3 | 3 | 5 | 2 | 2 | 5 | 3 | 3 | 4 | 3 | 5 | 53 |
| 7 | ANNISA DWIYANTI | 5 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 1 | 2 | 4 | 3 | 4 | 4 | 4 | 50 |
| 8 | ARDAN RAMADHAN | 3 | 4 | 4 | 4 | 3 | 3 | 2 | 2 | 3 | 3 | 5 | 4 | 3 | 3 | 2 | 48 |
| 9 | DELA PUSPANDINI | 4 | 4 | 2 | 2 | 5 | 5 | 3 | 4 | 3 | 2 | 4 | 3 | 4 | 3 | 4 | 52 |
| 10 | DELYA RISMA PUTRI | 4 | 3 | 4 | 4 | 5 | 4 | 3 | 5 | 3 | 4 | 4 | 5 | 3 | 4 | 3 | 58 |
| 11 | DENY PERDANA ROSI | 5 | 3 | 3 | 1 | 4 | 5 | 1 | 3 | 2 | 3 | 3 | 5 | 5 | 2 | 5 | 50 |
| 12 | DION AGUSTIAS | 4 | 4 | 2 | 2 | 3 | 4 | 4 | 5 | 3 | 3 | 5 | 5 | 4 | 3 | 3 | 54 |
| 13 | ELIZA NUR P | 3 | 3 | 5 | 5 | 5 | 3 | 5 | 5 | 4 | 3 | 4 | 4 | 5 | 3 | 5 | 62 |
| 14 | FAHMIE WAHYUDA | 5 | 4 | 2 | 2 | 4 | 4 | 3 | 4 | 1 | 2 | 4 | 5 | 5 | 3 | 4 | 52 |
| 15 | FAUZAN ADHIM | 1 | 3 | 3 | 3 | 5 | 4 | 3 | 3 | 1 | 3 | 3 | 5 | 5 | 3 | 4 | 46 |
| 16 | HAFIDZ AZKIA | 3 | 3 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 3 | 5 | 4 | 5 | 64 |


| 17 | ISMIYATUN FITRIANA | 5 | 4 | 3 | 3 | 5 | 3 | 3 | 2 | 3 | 3 | 5 | 5 | 5 | 3 | 5 | 57 |
| :--- | :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 18 | LARAS RAHMADHANI | 1 | 4 | 1 | 3 | 5 | 3 | 3 | 4 | 3 | 2 | 3 | 4 | 1 | 3 | 4 | 44 |
| 19 | MOH LATIF | 4 | 1 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 4 | 1 | 1 | 30 |
| 20 | MOH. ARIF | 3 | 1 | 1 | 1 | 5 | 3 | 2 | 1 | 4 | 1 | 4 | 5 | 3 | 4 | 3 | 41 |
| 21 | MOH. HELMY F | 4 | 3 | 2 | 4 | 5 | 3 | 4 | 3 | 5 | 5 | 4 | 4 | 4 | 3 | 5 | 58 |
| 22 | MOH. KURNIAWAN J | 4 | 4 | 2 | 3 | 4 | 4 | 3 | 3 | 3 | 2 | 5 | 2 | 3 | 3 | 4 | 49 |
| 23 | MOH. SYAHRUL R | 5 | 4 | 3 | 2 | 5 | 5 | 3 | 5 | 4 | 4 | 4 | 5 | 5 | 3 | 5 | 62 |
| 24 | MOHAMMAD AFIS | 3 | 2 | 5 | 3 | 3 | 2 | 5 | 1 | 2 | 3 | 4 | 1 | 3 | 4 | 5 | 46 |
| 25 | MUHAMMAD RAFLY A | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 5 | 5 | 3 | 5 | 55 |
| 26 | NADIFA AULIA S | 4 | 3 | 2 | 3 | 2 | 4 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 47 |
| 27 | NAJWA CAMELIA | 3 | 3 | 1 | 1 | 4 | 4 | 2 | 3 | 2 | 2 | 4 | 4 | 5 | 3 | 4 | 45 |
| 28 | NAUFAL APRILIYAN | 3 | 4 | 3 | 2 | 4 | 4 | 3 | 3 | 5 | 3 | 4 | 3 | 5 | 3 | 3 | 52 |
| 29 | PUTRI AIDA LARASATI | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 2 | 3 | 4 | 4 | 4 | 5 | 51 |
| 30 | REZA PRAYOGA | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 5 | 5 | 3 | 4 | 4 | 53 |
| 31 | RYAN SETYA P | 5 | 2 | 4 | 4 | 5 | 4 | 5 | 4 | 4 | 3 | 4 | 5 | 5 | 3 | 5 | 62 |
| 32 | SYAH RIZAL M | 4 | 4 | 4 | 3 | 5 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 3 | 4 | 54 |
| 33 | TATANG FAJAR | 4 | 3 | 2 | 3 | 4 | 4 | 2 | 4 | 3 | 2 | 3 | 3 | 5 | 4 | 5 | 51 |

b. Validity of Questionaire

Validity is used to make sure that the data of the questionnaire is valid. The kind of validity wich is used by the researcher is construct validity. The researcher used SPSS, It can make easily for the researcher to make sure that the data of the questionnaire is valid. The reselut are explained at the table below :

## Table 4.2

## Validity of Questionaire Correlation

Correlations

| score A |  | $\begin{gathered} \text { scor } \\ \text { e B } \end{gathered}$ | $\begin{gathered} \text { score } \\ \text { C } \\ \hline \end{gathered}$ | $\begin{gathered} \text { scor } \\ \text { e D } \end{gathered}$ | $\begin{gathered} \text { scor } \\ \text { e E } \end{gathered}$ | $\begin{gathered} \text { scor } \\ \text { e F } \\ \hline \end{gathered}$ | $\begin{gathered} \text { scor } \\ \text { e G } \end{gathered}$ | $\begin{array}{r} \text { scor } \\ \mathrm{eH} \\ \hline \end{array}$ | $\begin{gathered} \text { scor } \\ \text { e I } \end{gathered}$ | $\begin{gathered} \text { scor } \\ \text { e J } \end{gathered}$ | $\begin{gathered} \text { scor } \\ \text { e K } \end{gathered}$ | $\begin{gathered} \text { scor } \\ \text { e L } \\ \hline \end{gathered}$ | $\begin{gathered} \text { score } \\ \mathrm{M} \end{gathered}$ | $\begin{aligned} & \text { scor } \\ & \text { e N } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { scor } \\ & \text { e O } \end{aligned}$ | total score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pearson <br> Correlation | 1 | . 079 | . 068 | -. 094 | -. 074 | . 259 | -. 057 | . 183 | . 012 | . 097 | . 128 | . 213 | .596** | -. 100 | . 193 | . 366 * |
| Sig. (2tailed) |  | . 662 | . 706 | . 604 | . 684 | . 145 | . 752 | . 308 | . 949 | . 593 | . 479 | . 235 | . 000 | . 581 | . 281 | . 036 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | . 079 | 1 | -. 030 | . 116 | . 105 | . $365 *$ | -. 067 | . $433 *$ | . 060 | . 296 | . 315 | . 155 | . 074 | . 035 | . 118 | .404* |
| Sig. (2- <br> tailed) | . 662 |  | . 868 | . 519 | . 560 | . 037 | . 712 | . 012 | . 741 | . 094 | . 074 | . 388 | . 683 | . 848 | . 514 | . 020 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | . 068 | -. 030 | 1 | . $448 *$ | . 033 | -. 128 | .475* | . 103 | . 040 | . $459 *$ | . 198 | -. 181 | . 161 | . 134 | . 333 | .470** |
| Sig. (2tailed) | . 706 | . 868 |  | . 009 | . 856 | . 477 | . 005 | . 567 | . 824 | . 007 | . 268 | . 315 | . 370 | . 457 | . 058 | . 006 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | -. 094 | . 116 | . $448^{* *}$ | 1 | . 133 | -. 090 | .631* | . 063 | . 204 |  | . 202 | . 023 | -. 055 | . 324 | . 060 | .506** |
| Sig. (2tailed) | . 604 | . 519 | . 009 |  | . 461 | . 618 | . 000 | . 729 | . 256 | . 006 | . 259 | . 901 | . 760 | . 066 | . 739 | . 003 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | -. 074 | . 105 | . 033 | . 133 | 1 | . 139 | . 115 | . 231 | . 086 | . 147 | . 103 | . 265 | . 138 | . 256 | . 212 | . $403^{*}$ |


| Sig. (2- <br> tailed) | . 684 | . 560 | . 856 | . 461 |  | . 441 | . 525 | . 196 | . 632 | . 416 | . 569 | . 136 | . 444 | . 151 | . 235 | . 020 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | . 259 | . $365{ }^{*}$ | -. 128 | -. 090 | . 139 | 1 | -. 093 | . $503 *$ | . 159 | . 050 | . 244 | . 333 | . $365{ }^{*}$ | . 079 | . 169 | . 453 ** |
| Sig. (2- <br> tailed) | . 145 | . 037 | . 477 | . 618 | . 441 |  | . 608 | . 003 | . 376 | . 781 | . 171 | . 058 | . 037 | . 663 | . 347 | . 008 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | -. 057 | -. 067 | . $475^{* *}$ | . $631 *$ | . 115 | -. 093 | 1 | . 110 | . 208 | . $444 *$ | . 317 | -. 158 | . 026 | . 295 | . 308 | .530** |
| Sig. (2tailed) | . 752 | . 712 | . 005 | . 000 | . 525 | . 608 |  | . 543 | . 245 | . 010 | . 072 | . 379 | . 886 | . 096 | . 082 | . 002 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | . 183 | . $433{ }^{*}$ | . 103 | . 063 | . 231 | . $503 *$ | . 110 | 1 | . 222 | . 234 | . 023 | . 303 | . 287 | . 021 | . 324 | .587** |
| Sig. (2- <br> tailed) | . 308 | . 012 | . 567 | . 729 | . 196 | . 003 | . 543 |  | . 215 | . 191 | . 900 | . 086 | . 105 | . 907 | . 066 | . 000 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | . 012 | . 060 | . 040 | . 204 | . 086 | . 159 | . 208 | . 222 | 1 | . 331 | . 180 | . 106 | . 141 | . 067 | . 029 | .423* |


| Sig. (2- <br> tailed) | . 949 | . 741 | . 824 | . 256 | . 632 | . 376 | . 245 | . 215 |  | . 060 | . 316 | . 557 | . 435 | . 712 | . 872 | . 014 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | . 097 | . 296 | .459** | .471* | . 147 | . 050 | .444* | . 234 | . 331 | 1 | . 047 | . 013 | . 171 | . 144 | . $399{ }^{*}$ | . $638 *$ |
| Sig. (2- <br> tailed) | . 593 | . 094 | . 007 | . 006 | . 416 | . 781 | . 010 | . 191 | . 060 |  | . 795 | . 941 | . 340 | . 424 | . 021 | . 000 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | . 128 | . 315 | . 198 | . 202 | . 103 | . 244 | . 317 | . 023 | . 180 | . 047 | 1 | . 172 | . 043 | . 157 | -. 014 | . $412^{*}$ |
| Sig. (2- <br> tailed) | . 479 | . 074 | . 268 | . 259 | . 569 | . 171 | . 072 | . 900 | . 316 | . 795 |  | . 339 | . 812 | . 384 | . 938 | . 017 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson Correlation | . 213 | . 155 | -. 181 | . 023 | . 265 | . 333 | -. 158 | . 303 | . 106 | . 013 | . 172 | 1 | . 206 | . 004 | -. 076 | . 336 |
| Sig. (2- <br> tailed) | . 235 | . 388 | . 315 | . 901 | . 136 | . 058 | . 379 | . 086 | . 557 | . 941 | . 339 |  | . 250 | . 981 | . 675 | . 056 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | . $596 *$ | . 074 | . 161 | -. 055 | . 138 | . $365^{*}$ | . 026 | . 287 | . 141 | . 171 | . 043 | . 206 | 1 | -. 083 | . 308 | .495** |


| Sig. (2- <br> tailed) | . 000 | . 683 | . 370 | . 760 | . 444 | . 037 | . 886 | . 105 | . 435 | . 340 | . 812 | . 250 |  | . 646 | . 081 | . 003 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | -. 100 | . 035 | . 134 | . 324 | . 256 | . 079 | . 295 | . 021 | . 067 | . 144 | . 157 | . 004 | -. 083 | 1 | . 263 | . $352^{*}$ |
| Sig. (2- <br> tailed) | . 581 | . 848 | . 457 | . 066 | . 151 | . 663 | . 096 | . 907 | . 712 | . 424 | . 384 | . 981 | . 646 |  | . 140 | . 045 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | . 193 | . 118 | . 333 | . 060 | . 212 | . 169 | . 308 | . 324 | . 029 | .399* | -. 014 | -. 076 | . 308 | . 263 | 1 | .549** |
| Sig. (2- <br> tailed) | . 281 | . 514 | . 058 | . 739 | . 235 | . 347 | . 082 | . 066 | . 872 | . 021 | . 938 | . 675 | . 081 | . 140 |  | . 001 |
| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Pearson <br> Correlation | . 366 * | . $404 *$ | .470** | .506* | .403* | . 453 * | . $530 *$ | .587* | . $423 *$ | .638* | . $412 *$ | . 336 | .495* | . $352^{*}$ |  | 1 |
| Sig. (2- <br> tailed) | . 036 | . 020 | . 006 | . 003 | . 020 | . 008 | . 002 | . 000 | . 014 | . 000 | . 017 | . 056 | . 003 | . 045 | . 001 |  |


| N | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

**. Correlation is significant at the 0.01 level (2-tailed).
*. Correlation is significant at the 0.05 level (2-tailed).

From this result after the researcher compare with $r$ table. If $r$ count $=$ or $>r$ table, it means the questionnaire is valid, and if $r$ count $<r$ table, it means the questionnaire is not valid and cannot be used as researcher data for the next steps there is testing reliability data.

## Table 4.3

The result of the comparison of $r$ count and $r$ table

| No | Question <br> Item | Result |  |  | State |
| ---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $>/</=$ | $r$ table |  |  |
| 1 | 1 | 0,366 | $>$ | 0,3440 | Valid |
| 2 | 2 | 0,404 | $>$ | 0,3440 | Valid |
| 3 | 3 | 0,470 | $>$ | 0,3440 | Valid |
| 4 | 4 | 0,506 | $>$ | 0,3440 | Valid |
| 5 | 5 | 0,403 | $>$ | 0,3440 | Valid |
| 6 | 6 | 0,453 | $>$ | 0,3440 | Valid |
| 7 | 7 | 0,530 | $>$ | 0,3440 | Valid |
| 8 | 8 | 0,587 | $>$ | 0,3440 | Valid |
| 9 | 9 | 0,423 | $>$ | 0,3440 | Valid |
| 10 | 10 | 0,638 | $>$ | 0,3440 | Valid |
| 11 | 11 | 0,412 | $>$ | 0,3440 | Valid |
| 12 | 12 | 0,336 | $<$ | 0,3440 | Not Valid |
| 13 | 131 | 0,495 | $>$ | 0,3440 | Valid |
| 14 | 14 | 0,352 | $>$ | 0,3440 | Valid |
| 15 | 15 | 0,549 | $>$ | 0,3440 | Valid |

From the data we can see that are one of the questionaire invalid. So the researcher use fourteen questionaires, that are number $1,2,3,4,5,6,7,8,9,10,11,13,14$, and 15.
c. Reability of Questionaire

Reability used to make sure that the obtained data is reliable or not. The researcher use Alpha Cronbach Technique by software SPSS 20 for windows. In this technique the instrument will reliable if the score of alpha Cronbach > 0,6. ${ }^{2}$ Based on the result of counting from SPSS application below:

## Table 4.4

Table of result aipha croncbach wich have cut item statistics

|  | Item Statistics |  |  |
| :--- | ---: | ---: | ---: |
|  | Mean | Std. Deviation | N |
| score A | 3.79 | 1.023 | 33 |
| score B | 3.15 | .795 | 33 |
| score C | 2.76 | 1.032 | 33 |
| score D | 2.94 | 1.116 | 33 |
| score E | 4.12 | .893 | 33 |
| score F | 3.70 | .810 | 33 |
| score G | 3.15 | 1.034 | 33 |
| score H | 3.21 | 1.083 | 33 |
| score I | 3.06 | 1.116 | 33 |
| score J | 2.73 | .977 | 33 |
| score K | 3.91 | .805 | 33 |
| score L | 3.94 | 1.088 | 33 |
| score M | 4.03 | .984 | 33 |
| score N | 3.06 | .788 | 33 |
| score O | 3.85 | 1.253 | 33 |

[^1]| Reliability Statistics <br> Cronbach's <br> Alpha <br> .737 N of Items |  |
| ---: | ---: |

Based on the result, cronbach's alpha score is 0,737 . So the researcher can get conclusion that alpha score 0,737 $>0,6$ it means that this instrument is reliable.

## 2. Student English Achievement

Based on chapter III, student English achievement is one of variable that the researcher used to corraelate with other variable. The researcher will get score of this variable from the English teacher of SMK Negeri 3 Pamekasan.

Before the researcher testing the hypothesis, the researcher will analyze the data, after that the researcher can get the conclusion from this research. To count the result the researcher use SPSS application with product moment formula to analyze the data which includes 2 variable, namely the result of questionnaire of problem based online learning and score of student engllish achievement that given by the teacher.

Table 4.5

| No | Student Name | Problem Based Online <br> Learning | Student English <br> Achievement |
| :---: | :--- | :---: | :---: |
| 1 | ADI IKMALUL | 49 | 80 |
| 2 | AHMAD IHSANUR | 55 | 78 |
| 3 | AHMAD MAULIDI | 54 | 83 |
| 4 | AHSANUL HAFIDZI | 42 | 90 |


| 5 | ALFI SAFITRI | 50 | 89 |
| :---: | :---: | :---: | :---: |
| 6 | ANDI MOHAMMAD I | 53 | 78 |
| 7 | ANNISA DWIYANTI | 50 | 90 |
| 8 | ARDAN RAMADHAN | 48 | 85 |
| 9 | DELA PUSPANDINI | 52 | 85 |
| 10 | DELYA RISMA PUTRI | 58 | 78 |
| 11 | DENY PERDANA ROSI | 50 | 78 |
| 12 | DION AGUSTIAS | 54 | 70 |
| 13 | ELIZA NUR P | 62 | 78 |
| 14 | FAHMIE WAHYUDA | 52 | 78 |
| 15 | FAUZAN ADHIM | 46 | 78 |
| 16 | HAFIDZ AZKIA | 64 | 78 |
| 17 | ISMIYATUN <br> FITRIANA | 57 | 78 |
| 18 | LARAS RAHMADHANI | 44 | 83 |
| 19 | MOH LATIF | 30 | 94 |
| 20 | MOH. ARIF | 41 | 80 |
| 21 | MOH. HELMY F | 58 | 83 |
| 22 | MOH. KURNIAWAN J | 49 | 83 |
| 23 | MOH. SYAHRUL R | 62 | 82 |
| 24 | MOHAMMAD AFIS | 46 | 78 |
| 25 | MUHAMMAD RAFLY A | 55 | 89 |
| 26 | NADIFA AULIA S | 47 | 78 |
| 27 | NAJWA CAMELIA | 45 | 78 |
| 28 | NAUFAL APRILIYAN | 52 | 80 |
| 29 | PUTRI AIDA <br> LARASATI | 51 | 78 |
| 30 | REZA PRAYOGA | 53 | 89 |
| 31 | RYAN SETYA P | 62 | 78 |
| 32 | SYAH RIZAL M | 54 | 94 |
| 33 | TATANG FAJAR | 51 | 78 |
|  | Total | 1696 | 2715 |

Table 4.6

Data of correlation of problem based online learning and student English
achievement

| No | Student Name | X | Y | $X^{2}$ | $Y^{2}$ | XY |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | ADI IKMALUL | 49 | 80 | 2401 | 6400 | 3920 |
| 2 | AHMAD IHSANUR | 55 | 78 | 3025 | 6084 | 4290 |
| 3 | AHMAD MAULIDI | 54 | 83 | 2916 | 6889 | 4482 |
| 4 | AHSANUL HAFIDZI | 42 | 90 | 1764 | 8100 | 3780 |
| 5 | ALFI SAFITRI | 50 | 89 | 2500 | 7921 | 4450 |
| 6 | ANDI MOHAMMAD I | 53 | 78 | 2809 | 6084 | 4134 |
| 7 | ANNISA DWIYANTI | 50 | 90 | 2500 | 8100 | 4500 |
| 8 | ARDAN RAMADHAN | 48 | 85 | 2304 | 7225 | 4080 |
| 9 | DELA PUSPANDINI | 52 | 85 | 2704 | 7225 | 4420 |
| 10 | DELYA RISMA PUTRI | 58 | 78 | 3364 | 6084 | 4524 |
| 11 | DENY PERDANA ROSI | 50 | 78 | 2500 | 6084 | 3900 |
| 12 | DION AGUSTIAS | 54 | 70 | 2916 | 4900 | 3780 |
| 13 | ELIZA NUR P | 62 | 78 | 3844 | 6084 | 4836 |
| 14 | FAHMIE WAHYUDA | 52 | 78 | 2704 | 6084 | 4056 |
| 15 | FAUZAN ADHIM | 46 | 78 | 2116 | 6084 | 3588 |
| 16 | HAFIDZ AZKIA | 64 | 78 | 4096 | 6084 | 4992 |
| 17 | ISMIYATUN FITRIANA | 57 | 78 | 3249 | 6084 | 4446 |
| 18 | LARAS <br> RAHMADHANI | 44 | 83 | 1936 | 6889 | 3652 |
| 19 | MOH LATIF | 30 | 94 | 900 | 8836 | 2820 |
| 20 | MOH. ARIF | 41 | 80 | 1681 | 6400 | 3280 |
| 21 | MOH. HELMY F | 58 | 83 | 3364 | 6889 | 4814 |
| 22 | MOH. KURNIAWAN J | 49 | 83 | 2401 | 6889 | 4067 |
| 23 | MOH. SYAHRUL R | 62 | 82 | 3844 | 6724 | 5084 |
| 24 | MOHAMMAD AFIS | 46 | 78 | 2116 | 6084 | 3588 |
| 25 | MUHAMMAD RAFLY A | 55 | 89 | 3025 | 7921 | 4895 |
| 26 | NADIFA AULIA S | 47 | 78 | 2209 | 6084 | 3666 |
| 27 | NAJWA CAMELIA | 45 | 78 | 2025 | 6084 | 3510 |
| 28 | NAUFAL APRILIYAN | 52 | 80 | 2704 | 6400 | 4160 |
| 29 | PUTRI AIDA <br> LARASATI | 51 | 78 | 2601 | 6084 | 3978 |


| 30 | REZA PRAYOGA | 53 | 89 | 2809 | 7921 | 4717 |
| :---: | :--- | :---: | :---: | :---: | :---: | :---: |
| 31 | RYAN SETYA P | 62 | 78 | 3844 | 6084 | 4836 |
| 32 | SYAH RIZAL M | 54 | 94 | 2916 | 8836 | 5076 |
| 33 | TATANG FAJAR | 51 | 78 | 2601 | 6084 | 3978 |
|  | Total | 1696 | 2699 | 88688 | 221725 | 138299 |

## Table 4.7

## The result of person correlation product moment and statistical significance

## Correlations

|  |  | problem based <br> online learning | english <br> achievement |
| :--- | :--- | ---: | ---: |
| problem based online <br> learning | Pearson Correlation | 1 | -.338 |
|  | Sig. (2-tailed) |  | .054 |
| english achievement | N | 33 | 33 |
|  | Pearson Correlation | -.338 | 1 |
|  | Sig. (2-tailed) | .054 |  |
|  | N | 33 | 33 |

Based on the result above, the researcher know that the result of the statistical significant of two variable is 0,054 .

## B. Hypothesis Testing

From the result above, the researcher know that the value of significance of correlation between problem based online learning and student English achievement is 0,054 . The test of these significant of correlation between two variable following the criteria :

1. If the result of this research $>0,05$ it means not significance, alternative hypothesis is rejected and null hypothesis will be accepted.
2. If the result of this research $<0,05$ it means significance, alternative hypothesis is accepted and null hypothesis will be rejected.

The researcher can conclude that value of this statistical significance is $0,054>0,05$. It means that the alternative hypothesis is rejected and null hypothesis is accepted. So the researcher can know that there is no correlation between problem online learning and student English achievement at $2^{\text {nd }}$ grade student of SMK Negeri 3 Pamekasan.

## C. Discussion

In this section, researcher will explain the result of finding to explanation about there is no correlation between problem based online learning and student English achievement.

Based on the data and the result of statistica counting process,the researcher know there is no correlation between that 2 variable. The researcher used SPSS to counting the person correlation product moment formula to get value statistical significance 0,054 , and that value more than 0,05 . The researcher know the degree of the correlation from the value of personcorrelation that is $-0,338$. It means that the interpretation of this research is sufficient correlation between problem based online learning and student English achievemet and the direction of the correlation is negative.


[^0]:    ${ }^{1}$ Suharsimi Arikunto, Prosedur Penelitian: Suatu Pendekatan Praktik, P.195.

[^1]:    ${ }^{2}$ Sofiyan Siregar, Metode Penelitian Kuantitatif, P. 57.

