CHAPTER IV

FINDINGS AND DISCUSSIONS

In this chapter, the researcher presents the research findings and discussion. It reports the findings and result of the data collection. Detailed description of the result obtained from this study is presented.

A. Research Findings

Based on the research problems in the first chapter, the researcher presents the result of the research based on the statement. There are advantages and disadvantages of using blog for digital portfolios at State Islamic University Sunan Ampel Surabaya.

1. The advantages and disadvantages of using blog for digital portfolio assignments

   Based on the result of data collection from question number one, there were many students’ opinions about using blog for digital portfolio assignments in CALL 2. After joining CALL 2 by using blog for their digital portfolios assignment, students were interested in completing some assignments. The advantages and disadvantages presented as follow:

   a. Advantages of using blog for digital portfolio assignments

      As explained in theoretical framework, Steele stated that there are six specific advantages of using blog for digital portfolios assignment.

   

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Based on the result of interview with students, researcher classified the advantages into six categories of advantages from Steele using blog for digital portfolio assignments, those are:

1) Evidence of Learning

Based on the findings, using blog digital portfolios assignment give students’ knowledge about technology. Through some digital assignments, there are 26 students assumed that they have additional knowledge during technology usage in education. This is as what students 1 answer, he said “Digital portfolio assignments using blog opened students’ concept of technology”. Similarly, student 7 assumed “Yes, because I can know more about technology to help learning”. Student 13 also stated “It is fulfilled my expectations and goals because I have additional knowledge about kinds of application using technology in learning”. By learning using technology, students not only finish their assignments, but also get additional knowledge of technology in CALL 2 course.

On the other hand, some students assumed that using blog for digital portfolios assignment still not fulfilled students’ expectation, because they just fulfilled the assignments and still did not understand some theories which were given by the lecturer. There were 16 students that they said like that. As a matter of fact,
student 8 said “in CALL 2, I just submitted the assignments and requirements. I actually wanted to know certain programs, related to the lesson that I can apply someday. However my goal in taking CALL 2 is to know how to create learning media using technology”.

For other students who did not understand the materials of the course, they said “I do not, because I still do not understand the materials of the course”. Similarly, student 10 said “not all the materials can be mastered and understood by me. I just understood few of them, and the other were not”. This may cause that have different levels and interest of variety assignments were given by the lecturer. In additional, students may need more explanation from assignments or theories that they did not understand.

2) Skill Development

In using blog for digital portfolios assignment, students said that they developed their technology skill and integrated skill especially in writing skill and reading skill.

- Technology development skill

Students believed that by using technology in CALL 2, students are able to open their knowledge in technology usage. In creating digital portfolios assignment, students developed their skill in technology. It could be proved by students’
statement and their digital portfolio that they had no experiences
of creating media using kinds of software both online and
offline. This is as what student 9 opinion “I felt improvement in
multimedia technology development. Because I have no
experience about technology well, now I know kinds of
application that can be used for learning. For example I know
how to create comic. In addition, I also know how to use blog
for media storage for my works. So my knowledge about
technology was increased”.

In CALL 2, students must be looked for the ways how to
finish their assignments on time. Students also must be finished
the assignments without lecturer’s guideline in using software
or applications. This is as what student 8 answer. He said “I
think in the process of learning in CALL 2, I can train and find
out the ways how to finish the assignments as well as possible”.
Lecturer gave freedom to students to finish and found their ways
in completing the assignments. Students also said that their
knowledge in blogging increased after they try to use some
features of blog. They said that they never utilized online
resources.

- Writing and reading skill
In the implementation of using blog for digital portfolios assignment, it improves students writing and reading skill. There were 28 students believed that it helps them in developing their skill. This is as what student 33 perception. He said that “in blog, we must be pro-active to write. Before we write something, we need to read the theories first”. Similarly with student 9, she said “My writing skill is improved since I write on blog, because we are not possible writing without considering the grammar, so I must be careful when I write”. Furthermore, using blog for digital portfolio assignments not only increases students’ writing skill, but also increase my reading skill. This is as what student 13 said “Before we completed the assignment, the lecturer gave many theories to read. Furthermore, it helps me to improve my reading skill”. It is similar with student 19 opinion. She said “There are improvement with my reading skill because when we complete the assignment on CALL 2, student must read all the materials which are given by lecturer. It’s to ease me the assignments. Furthermore, I avoid the difficulties when I did the assignments”.

3) Reflection
Digital portfolio using blog as a reflection means to know students’ development by evaluating themselves. It is important for student to reflect on how their learning and achievement relate to their goals of learning. There were 28 students who felt that digital portfolio assignments using blog reflect their learning. This is as what student 16 said. She stated “Because I can review and evaluate my learning through assignment I have done. I can review all the theories of CALL 2 course”. Student 40 also said “Because I should write the content in my blog based on the theories I have been learned in CALL 2. It included the assignment I have done before”. Student 26 also said “I think digital portfolio assignment using blog really reflects my learning in CALL 2, because I learn all the theories on CALL 2 and did the assignments. From the theories that I learn, I write my reflection on my blog”.

4) Storage Space

Using blog for digital portfolios assignments helps students to store their works. Students do not worry to lose their works because it is saved online. There were 33 students assumed that they got the beneficial through the media storage on blog. This is as what student 1 said “saving my works on blog help me filing my works”. Other students also had same opinion about it. Student 13 said “Submitting
assignments in form of hardfiles were easy to be lost, damaged or slipped with the other subjects. Because our works saved in digital-database, so we did not need to worry lost our works.”

5) Cost Efficiency

Other advantages can be felt by students are cost. Students felt that by digital portfolios assignments students did not spend their money. Students did not need to print out the assignment or photocopy some material of the course. There were 24 students assumed that digital portfolios is inexpensive and simple. This is as what student 2 answer. She stated “I did not spend my money to finish the assignment. I did not photocopy the materials or assignments during we have internet connection to access the digital assignments”. Student 7 also assumed “we just used WIFI to complete the assignments and find out the online resources freely.”

On the other hand, some students said that digital portfolio assignment generally spent their money to buy credits for internet connection. So they need additional cost to buy credits to be able finished their assignments. But, some students also felt that digital portfolios assignment using blog spent their money to buy some credits to connect to the internet. There were 18 students assumed that using blog for digital portfolios assignment probably
inexpensive, but they must buy and spend the data of internet connection. This is what student 3. She said “I don’t think so, because we must go to the internet café (Warnet) if the internet connection of the provider is not stable. So we spend our money to pay the rent”. Similarly, student 31 said “working on blog we need good internet connection and it was spent the data of internet connection”. Student 35 also said “We need internet connection to finish the assignments. So we need money to buy the credits”.

6) Accessibility

Students said that using blog for digital portfolios assignments helped students in accessing their works in any situation. They argued that mostly of their work were done online. As a result they can access their works everywhere and anywhere. They said that it was very benefits for them to revise their works when those were needed. There were 28 students who assumed that it was very benefit for them. In addition, Digital portfolios assignment which was saved by students on blog helped them to access their digital portfolio everywhere and anywhere. Because students believed that it was accessible for them when they needed to access their digital portfolio assignments. This is as what student 37 assumed “what we have done the assignments and wrote on blog, there were track
record in the blog history. So, we can easily access our works whenever we needed”. Student 42 also said “because the development of technology, I can easily access my work whenever I want”. Furthermore, students 3 also stated “we did not need created media, but we can access our works and use it again”

Table 3.1 Students of CALL 2 who believed the advantages of using blog for digital portfolios

<table>
<thead>
<tr>
<th>No.</th>
<th>Advantages</th>
<th>Amount of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>Evidence of Learning</td>
<td>26 students</td>
</tr>
<tr>
<td>2)</td>
<td>Skill Development</td>
<td>28 students</td>
</tr>
<tr>
<td>3)</td>
<td>Reflection</td>
<td>28 students</td>
</tr>
<tr>
<td>4)</td>
<td>Storage Space</td>
<td>33 students</td>
</tr>
<tr>
<td>5)</td>
<td>Cost Efficiency</td>
<td>24 students</td>
</tr>
<tr>
<td>6)</td>
<td>Accessible</td>
<td>28 students</td>
</tr>
</tbody>
</table>

From table 3.1 above, students believed that using blog has advantages in digital portfolios assignment for them.

b. Disadvantages of using blog for digital portfolios assignment

Based on the finding, researcher classified the disadvantages into three categories based on Dibiase, those are:

1) Time Consuming
In completing some digital assignment using blog, it absolutely need time to learn software, applications and blog. Students had different abilities on technology. Because they need time to learn something they never knew before, for example blog or software. In previous courses, they never make media learning using kinds of software or application. As a matter of fact, there were 27 students that they need several hours for doing assignments using kinds of software. This is what the student 4 said “I was as the beginner and have lack of knowledge about technology, I need more time to learn about how to create and design my blog. So, it sometime seem hard for me”. Student 1 also said “it spent my time in completing their digital portfolios using blog because I personally wanted my assignments perfect.” Student 32 stated “absolutely, because learning the latest applications and software, we need more time to finish those assignments. In Indonesia, the development run slowly in certain places, so some of us are not usual to operate those applications”.

2) Frustration

In CALL 2, students obligated to complete their assignments both reading and creating media every week. At least, students must submit their individual and group assignment in a week. Most of
students stated that they had difficulties in blog, software and internet connections. There are 29 students assumed that they had difficulties in blog. This is as what student 4 answer, she said “I ever feel frustrated. Maybe, I have no experiences about blog, so I fail to open and upload my assignments”. Similarly, student 7 said that “When I create blog, I think the lecturer not only assess the content but also the appearance of our blog. So, I felt stressed how to create good blog”. Other students also felt stressful when they faced new software. This is as what student 5 opinion that “for assignments itself, I never used kinds of software before, so I felt difficult when I try it.”

Other students also felt frustration on internet connection when they upload their assignments on their blog. This is as what student 2 answer she said “I ever frustrated when I inserted an assignments in form of video file on my blog. The internet connection was the reason that was not faster and stable, so I can upload the assignments”. It is similar with student 6 answer that “I feel frustrated when the internet connection was not good and most of us probably would be felt so if it frequently happened during upload the data”

3) Privacy Issues
In students’ answer, saving their digital portfolios assignment using blog is not secure, because other people would be easier to copy and paste the assignment. Based on the findings, there were 25 students who assumed that digital portfolios assignment was not secure. This is as what student 2 answer that “I think, it is not safe for our data saving, because I don’t understand how to set up my blog to make the content cannot be copied by other people”. Similarly with student 3 answer that “I think it is not secure, because it sometimes takes by other people without putting down our names (citation) or resources”. Furthermore, student 7 also said “it is not secure, if we save our works in blog, other people probably copy our works or artifacts”.

Table 3.2 Students of CALL 2 who believed the disadvantages of sing blog for digital portfolios

<table>
<thead>
<tr>
<th>No.</th>
<th>Disadvantages</th>
<th>Amount of students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1)</td>
<td>Time Consuming</td>
<td>27 students</td>
</tr>
<tr>
<td>2)</td>
<td>Frustration</td>
<td>29 students</td>
</tr>
<tr>
<td>3)</td>
<td>Privacy Issues</td>
<td>25 students</td>
</tr>
</tbody>
</table>

From table 3.2 above, students assumed that using blog for digital portfolio assignment not only give students advantages, but also give them disadvantages.
2. Difficulties faced by students of using digital portfolios assignment

1) Technical Problems

On the finding of technical problems faced by students here, most of students faced problems when they create the blog and get unstable internet connection. Most of them faced similar difficulties. Based on the findings, it can be describe as follow:

- Students do not have adequate experience with software and blog features

  Few students also had difficulty in the process because they had no experience with some software and the lecturer gave undetailed instructions. This is as what students 4, she said “I do not know how to operate the software and applications. However the lecturer left the instructions in every assignments but it was not clear enough for me, so I sometimes felt confused”. Student 35 also said “not all, because I faced difficult in some digital portfolio assignments, especially in operating software and applications”.

  Students also got difficulties when they set up their blog, because it is something new for them. In addition, students never had experience in blog. Most of them had difficulties to set up the appearance and features on blog. This is as what student 11 answer that “I got problem with blog settings, because blog was something
new for me. So I need to learn more about it”. In addition, student 9 said that “I never make blog before, so I got difficulties how to design my blog. For example, I got difficulties how to change the background of my blog and other features of blog”. Student 14 also said “Actually my difficulty in blog is how to set blog, because I do not know how to set and design the blog appearance”.

- Need adequate Internet connection

Students stated that when they worked for digital portfolios assignment, students had difficulties in the internet connection. They commonly faced these problems because internet connection was not stable. This is as what student 5 said “I think internet connection is a problem when I did digital assignments on blog”. Similarly student 24 assumed that “The internet connection is a problem for me. If the internet connection using hotspot or WIFI was not stable, I went to internet café (warnet) to complete my assignments. In addition, student 1 said “I personally had problem with the signal of internet connection.”

2) Content Problems

In content problem, there were three kinds of problems in using blog for digital portfolios assignment, they were choosing materials, goals and themes. But most students of CALL 2 had difficulties in
writing the materials of the content. There were 38 student assumed that they had difficulties in material selection. This is as what student 3 answer. She said “I was hard to get the material what I should include in my blog. Because I had difficulties when I review the materials I learnt in CALL 2”. Other student also had same problems. Student 5 said “the core of my problem when I create blog for my digital portfolios assignment was the materials I should choose”. Other example from student 16, he said “actually I got problems in choosing materials because I did not know what I am going to write on my blog. Because lecturer did not give the example in every assignments. So, I confused how to arrange the material of my blog”.

3. Problem-solving used by students

In facing problems and difficulties based on Stockwell, students stated during interview that they solved their problems in three ways as follow:

a. Searching resources on internet

When students got difficulties, they usually go online and find out some articles to read. Students would find out articles or online resources about the guidelines of software or blog setting. This is the most students used when they faced difficulties. This is as what student 3 said “If I got difficulties on blog setting, I can ask to my friend or
search some online resources on internet”. In addition, student 15 said “I often found the resources on google or ask to my friend”. Similarly student 18 said “During CALL 2, I browse articles on internet or video tutorials to finish my assignments.

Besides searching articles on internet, other students also preferred to watch tutorial videos when they got difficulties. Students believed that watching the videos tutorials help them to avoid mistakes when students completed the assignments. This is as what student 19 said “if I did not understand assignment in CALL 2, I opened YouTube and watched video tutorials. It was better and easy to understand than read articles. So I prefer to watch videos tutorial and ask to friends.” Similarity with student 21 said “I seek out video tutorials or telephoned my friend if I did not understand the assignment. It was the quickest way for me to resolve my problems”.

b. Asking to the lecturer

In CALL 2, lecturer provided whatsapp group to help students when they had confused and difficulties during online assignments. During online learning in CALL 2, lecturer told students if they found something difficulties or something confusing with the course, students can ask him through whatSapp. Few of students asked to the lecturer if
they had problems of the assignments. This is what students 11 response. He said “…If I found problems when I did assignments, I meet the lecturer for asking detail explanation or guideline”. Some students usually used *whatsapp*, but they believed that it was not effective. This is what student 4 said “if I asked the lecturer using *whatsapp*, sometimes it was not clear for us, especially me. Because in every assignment the lecturer did not give examples, so it made us confused”

c. Asking to friends

Most students usually asked to their friends when they had problems or difficulties during completing digital portfolio assignment. This is what student 2 answer. She said “I usually asked to my friends, especially who had better understanding in technology...”. In addition, student 17 also said “I usually made appointment with my friend to help me in resolving my problems about CALL 2 assignments”. It is also similar answer with student 19. He said “if I did not understand with the assignments in CALL 2, I usually asked to my friends and watched videos tutorial. I did like search online resource about the guideline because I need more time to read the articles”.
B. Research Discussions

In this stage, the discussion about the advantages and disadvantages, students’ difficulties and students’ way in solving problems using blog for digital portfolios.

1. The advantages and disadvantages of using blog for digital portfolio assignment

   Based on the finding and the theoretical framework, the advantages and disadvantages of using blog for digital portfolios assignments experienced by students as follow:

   a. Advantages of using blog for digital portfolios assignment

      1) Evidence of learning

      Based on interview with students of CALL 2, the findings show that using blog digital portfolios assignment gave students’ knowledge about technology. Through some digital assignments, there were 26 students assumed that they had additional knowledge about technology usage in education. This is as what students 1 answer, he said “Digital portfolio assignments using blog opened students’ concept of technology”. Student 13 also said “Yes, it is fulfilled my expectations and goals because I have additional knowledge about kinds of application using technology in learning”. This is what Steele said that digital portfolios help students to
establish its goal and expectation. \(^1\) Since, digital portfolios assignment actively involve students in demonstrating previous learning and current learning.

Ritzhaupt et al also stated that digital portfolios assignment develop and monitor students’ skill and knowledge continuously to support students’ lifelong learning.\(^2\)

2) Skill Development

- Technology Skill

Steele states that digital portfolio allows students to develop their skill in developing multimedia technology\(^3\). From the theories, digital portfolio assignments can improve students in multimedia technology skill. Based on students’ point of view they said “I felt improvement in multimedia technology development. Because I have no experience about technology well, now I know kinds of application that can be used for learning. For example I know how to create comic. In addition, I also know how to use blog for media storage for my works. So

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\(^3\) Kristen Steele, *What......*, 12 - 13
my knowledge about technology was increased”. They believe that there is improvement on technology skill after taking CALL 2 class, because they have many experiences doing some assignment using kinds of software. This is similar with theory of Steele that digital portfolio increase students’ technology skill. So, the researcher can conclude from the findings and Steele’s theory is coincide with digital portfolios assignment improves students’ skill in technology.

- Writing and Reading Skill

In using blog for digital portfolios assignment, students involve their skills, writing and reading skill. Based on students’ responses, students assumed that “my writing skill improved when I write on blog, because we were not possible writing without considering the grammar, so I must be careful when I write” and they also said “Before we completed the assignment, the lecture give many theories to read. Furthermore, it helped me to improve my reading skill”. Similarly, Campbell stated that blog give students’ opportunity to create journal for practicing their writing skill and involves the use of knowledge
management in reading and writing skill\textsuperscript{4}. In short, from the finding and theories are same. So the researcher believes that using blog for digital portfolio assignment involves students’ writing and reading skill.

3) Reflection

Attwell stated that through digital portfolio, students can reflect their learning process because it allows student to use it for private and public reflection\textsuperscript{5}. Based on the findings student 16 said. She said “Because I can review and evaluate my learning through assignment I have done. I can review all the theories of CALL 2 course”. Student 26 also said “I think digital portfolio assignment using blog really reflects my learning in CALL 2, because I learned all the theories on CALL 2 and did the assignments. From the theories that I learnt I write my reflection on my blog”. Those students’ answers also had same meaning stated by Tartwijik that digital portfolios are important for student to reflect on how their learning and achievement relate to their goals of learning.\textsuperscript{6} This type


\textsuperscript{5} Graham Attwell, Recognizing learning: Educational and Pedagogical issues in e-Learning Portfolios. 2005, 2

\textsuperscript{6} Driessen, E.W., Tartwijk, J. van, Overeem, K. Vermunt, J.D. & Vleuten, C.P.M. van der (in press) “Conditions for successful reflective use of portfolios”, Medical Education (accepted, not yet published)
of portfolio allows student to write their reflection about the competence should be mastered by students.

4) **Storage Space**

Steele stated that digital portfolios are easy and efficient to store rather than traditional portfolios need large binders full of paper.\(^7\) From the findings, students believed that they got the benefits through the media storage on blog. This is as what student 1 said “saving my works on blog help me filing my works”. Other students also had same opinion about it. Student 7 said “Submitting assignments in form of hardfiles were easy to be lost, damaged or slipped with the other subjects. Because our works saved in digital-database, so we did not need to worry lost our works.” Based on Ministry of Education, *Digital Portfolio for Beginners*. Wellington, digital portfolio were long-lasting and document stored in internet are secure and difficult to lose. The findings are similar with theoretical basis, that using blog for digital portfolios are safe and effective as the media storage for students’ work.

5) **Cost Efficiency**

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Steele stated digital portfolios provide cost effective to distribute. He adds that creating digital portfolios are cheap and save money because they can be produced and created used variety of software.\textsuperscript{8} Similarly, the students’ answers that they believed digital portfolio assignment using blog were inexpensive and simple. From the finding of this research, student 2 stated that he did not spend his money to finish the assignment. He also did not need to photocopy the materials or assignments because he just need internet connection to access his digital portfolios assignments. In the same way, student 7 also believed that he just used WIFI to completed the assignments and find out the online resources freely. Thus, digital portfolio assignments is easy to create without need paper or photocopy a lot of materials and save students’ money.

6) Accessibility

Digital portfolios assignment which was saved by students on blog helped them to access their digital portfolio everywhere and anywhere. Based on Ministry of Education Digital Portfolio for Beginners, digital portfolio can be access anytime and anywhere\textsuperscript{9}. Similarly with Steele theories stated digital portfolio is accessible rather than traditional portfolio. Student still can access their digital assignments.

\textsuperscript{8} Kristen Steele..., 12 - 13
\textsuperscript{9} Ministry of Education, Digital Portfolio for Beginners. Wellington, Newzeland 2011 , 4
portfolios anytime. This is as what student 37 said that what I have done the assignments and wrote on blog, there were track record in the blog history. So, I can easily access my works whenever I needed. Student 42 also said “because the development of technology, I can easily access my work whenever I want”. From the findings had same with the theory stated by Steele, it can be concluded that digital portfolio assignments by using blog help students to access their work when it necessary. Digital portfolios which are saved on their blog can be used anywhere and everywhere.

b. Disadvantages of using blog for digital portfolios assignment

1) Time Consuming

Tartwijk et al state that digital portfolio assignment takes longer time especially for students who need technology skill or adequate training to gain those skills. Students who are lack of knowledge of technology experience may learn for hours. Based on the findings student 4 said “I am a beginner and lack of knowledge about technology, I need more time to learn about how to create and design my blog. So, it sometimes seem hard for me”. Student 32 also said “learning the latest applications and software, we need more time to finish those assignments. In Indonesia, the development of

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10 Steele.....
technology runs very slow in certain places. So, some of us are not usual to operate those applications”. The findings are similar with the theories from Tartwijk et al that students who has low knowledge about technology need adequate skill to gain technology skill on software or blog, so students need more time to finish the assignments.

2) Frustration

In the process of using blog for digital portfolios assignment, there were students who felt frustration for some reasons. From the findings, students felt frustration because they faced problems in the process. Student 4 said “I ever felt frustrated. Maybe, I had no experiences about blog, so I failed to open and upload my assignments”. Similarly, student 7 said that “When I created blog, I think the lecturer not only assess the content but also the appearance of our blog. So, I felt stressful how to create good blog”. Technology experience influence students when they work the assignments. According to Tartwijk et al stated digital portfolios encountered frustration and stressful for students who don’t have technology skill\textsuperscript{11}. Those findings are similar with Tarjwiks’ theories that digital

\textsuperscript{11} Van Tartwijk J, Driessen, E., & Rubens, W. “Functions of electronic portfolio’s in higher education” P. Boezerooy & P. Gorissen (Eds.), Dutch e-learning in Europe, (Utrecht: Surf Foundation, 2004), 8-10
portfolio assignments encountered frustration and stressful for student who don’t have technology skill. To sum up, this can be concluded that technology skill and experience using blog for digital portfolios is very important. Without technology skill, students easily frustrated when they find problems on blog or kinds of software.

3) Privacy Issue

According to Dibiase digital portfolio assignments are not only get risk of personal information but also increase the number of plagiarism. Since online environment such as blog is easily accessed by internet users. People may copy and paste students’ assignments without put the sources. Some students believed that it can be happened someday. From the findings, student 2 stated that “it was not safe for his data saving, because he did not understand how to set up his blog using privacy features to make the content cannot be copied by other people”. Similarly with student 3 answers that she assumed it was not secure, because it sometimes copied by other people without putting down our names (citation) or resources”. Furthermore, student 7 also said “it is not secure, if we save our works in blog, other people probably copy our works or artifacts”. The findings closely have similarities with the Dibiase theory. Thus, researcher concluded that digital portfolios assignment using blog
were not secure for media storage because some students had lack of knowledge of blog and did not know how to set up.

2. Difficulties faced by students of using digital portfolios assignment

In this research, the researcher focused on the students’ difficulties in using blog for digital portfolios assignment. In theoretical framework, the researcher had mentioned students’ difficulties on digital portfolios. There were two problems that will be discussed as follow:

1) Technical Problems

In this case, most of students faced problems when create the blog and get stable internet connection. Most of them faced similar difficulties. Based on the findings, it can be describe as follow:

   - Students do not have adequate experience with software and blog features

       In technology usage, students should have technology skill to success during learning. According to Steele said that in implementation of digital portfolio, student need adequate hardware and software, accessibility of that hardware and software. Based on the finding, students who had difficulties with software were minimal, but they generally faced problem on blog. Few students who had difficulty in the process because they had no experience with some software and the lecturer gave undetailed instructions.
They did not understand how to operate some software on the online course, because they assumed that they need more explanation with the assignments.

Thus, Students got difficulties in blog, they said that they did not know how to design their blog because it was their first time become blogger and it was something new for them. In addition, Most of them had difficulties set up the appearance and features on blog. Heath argued that electronic portfolio construction especially using blog takes time, that all participants of the portfolio development process need technology skills or adequate training to gain those skills, and that technical problems with software.12

- Need adequate internet connection

Students stated when they did some digital portfolios assignment, students had problems in the internet connection. They commonly faced these problems because internet connection was not stable in different area. Related to students’ point of view, Sunil Kumar also stated that many students were not provided the strong

12 Heath, M. Are you ready to go digital? The pros and cons of electronic portfolio development. Library Media Connection: 2005, 23(7), 66-70
internet connection\textsuperscript{13}. Students should go to internet coffee to get stable connection in completing assignments.

Other finding that made students difficult in using blog for digital portfolios were insufficient directions from the lecturer. The lecturer gave instructions in every assignment that had been posted in web, but some students sometimes misunderstood with lecturer’s instruction. However, lecturer always gave students materials but did not attach the example of the product or the process in each assignments. Related to those problems, it had similar with Fournie and Van Niekerk stated that lecturers may not provide enough lecture direction. In addition students confused with some of the activities, because it is not clearly explained to them.\textsuperscript{14} In finishing a lot of assignments in online class, detailed instructions from the lecturer is required to achieve the goal of the lesson.

2) Content Problems

In content problem, there were three kinds of problems in using blog for digital portfolios assignment, materials, goals and themes. According to Gestalt Psychologists, included Pieget, stated that the

\textsuperscript{13} Sunil Kumar, 5 Common Problems Faced by students in elearning overcome(https://elearningindustry.com/5-common-problems-faced-by-students-in-elearning-overcome) accessed August 26, 2016

material should be meaningful agrees with the theme, and match with students’ need and improvement. Not only providing good design of the media digitally, but also the contents should provide what want to be achieved, dealing with the compatibility with the themes, goals and objectives. As matter of fact, most students had difficulties in writing the materials of the content. There were 38 student assumed that they had difficulties in material selection. This is as what student 3 answer. She said that she was hard to get the material what she should include in her blog. Because she had difficulties when she reviewed the materials she learnt in CALL 2”. Similarly student 16, he said that he actually got problems in choosing materials because he did not know what he is going to write on his blog because lecturer did not give the example in every assignment. So, he confused how to arrange the material of his blog. In creating blog content as a media for digital portfolio assignment, students should ask to the lecturer about the rule and the lecturer guided students during the process if they had problems.

3. Problems-solving used by students

In theoretical framework, the researcher had mentioned Stockwell’ statement about ways in solving students’ difficulties. Stockwell proposed there were 3 ways in solving problems can be used by students when they faced difficulties. Those are searching to another resources or reading
another book related to problems or watching videos tutorial, pairing with friends and communicating with lecture. In facing problems and difficulties, students solved their problems in several ways as follow:

a. **Searching resources on internet**

From interview with students, the first way in solving difficulties was search resources on internet. When students got difficulties, they usually go online and find out some articles to read. Students probably find out articles or online recourses about the guidelines of software or blog setting. This is the most students used when they faced difficulties. Based on the finding, student 3 said that when he got difficulties on blog setting, He can ask to his friend or search some online resources on internet. This was similar with student 18 said that during CALL 2, he browsed articles on internet or video tutorials to finish my assignments.

Besides search related articles on internet related to their problems, other students also preferred to watch tutorial videos when they got difficulties. It had same what Stockwell stated that there many ways to solve students’ difficulties in facing their problem when use technology, as an example searching to another resources such as searching in the internet or reading other book related to problems or
Students believed that watching the videos tutorials help them to avoid mistakes when students completed the assignments. Related to the problems student 19 point of view, he argued that when he did not understand the assignment in CALL 2, he opened YouTube and watched video tutorials. There were some students that this way was better and easy for them to understand than read articles.

b. Asking to the lecturer

At the beginning of class, the lecturer told the students to contact him if they faced difficulties during online course in CALL 2. The lecturer provided WhatsApp group to help students when they found something difficulties or something confusing with the course, students can ask him using WhatsApp. In CALL 2, students cannot meet the lecturer because the course was purely online learning. During the process students got difficult but few of them who used this facility. Based on interview, students believed that asking to lecturer need more time to be answered. On the other hand, students wanted to complete the assignments as soon as possible. Asking to lecturer was considered by few students in solving problems. It is similarly with Stockwell

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15 Glen Stockwell. *Computer Assisted Language Learning: Diversity in research and Practice*. (Cambridge University, 2012), 76
stated that students can communicate with teacher or lecturer about their problems. As an example, student 11 said that if he found problems when he did assignments, he met the lecturer for asking detail explanation or guideline. However, some students rarely used *whatsapp* to asked lecturer about their problems, because they believed that it was not effective for them. This is what student 4 said “if I asked the lecturer using *whatsapp*, sometimes it was not clear for us, especially me. Because in every assignment the lecturer did not give examples, so it made us confused”.

c. **Asking to friends**

In using blog for digital portfolios, many students faced problems with some features of blog. Based on the interview, in solving this problem, most of students usually asked to their friends when they had problems or difficulties during completing digital portfolio assignment. This is what Stockwell said that students able to collaborative with others such as discussing with classmates, group work, or seeing their friend assignment when they found problems. As an example, student 2 stated that she usually asked to her friends, especially students who had ability in technology. In addition, student 17 also said that he usually made appointment with his friend to help him in resolving his problems about CALL 2 assignments”. Students believed that this is the

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16 Glen Stockwell…. 76
most effective for them to share same problems they faced in CALL 2. Discussing with their classmates, students can solve their problems.