CHAPTER II

THEORETICAL FRAMEWORK

The chapter II discussed about the theoretical framework. The theory consist of assessment and online assessment, kinds of assessment, principles of online assessment, the challenges of online assessment, Google form, advantages and disadvantages of Google form.

A. Assessment and Online Assessment

1. Assessment

   A. Definition of Assessment

   According to Brown, Assessment is a way and process of education. Assessment is a methodological approach that involves a wide variety of techniques.[1] It can be concluded that assessment is a way or process related to education. Biggs and Tang stated that in higher education, assessment is a critical component of increasing the quality value of teaching and learning. The students learn depends to how they believe they will be assessed.[2] It can be summarized that assessment are planned to send the right signals to students in shaping

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[1] H.Dauglas Brown & Priyanvada Abeywickrama.2018, *Language Testing Assessment*, p.3. California: Longman.

[2] Ragupathi, Kiruthika, *Designing Effective Online Assessments* , Resource Guide. Organized by student of National University of Singapore (NUS), January 2020, p.2.

the efficiency and effectiveness of student learning process, it is about what they should learn and how they should learn.

The systematic process of recording and assessing information, abilities, beliefs, or confidences gained through instructional sequences by the goal of improving all aspects of student learning is known as assessment.[3] In a digital era, it's important to make the most of what technology has to offer when it comes to assessing and providing input.

According to Ros Smith and Lisa Gray, technology-enhanced assessment and feedback covers the methods, processes, procedures, and systems used in the assessment life cycle. As a result, in the digital era, the use of technology is critical to promoting the educational process.[4]

The writer can be summarized that assessment is a process that continues during the teaching activity intended to evaluate students' understanding and also how teachers support and assess students' learning and monitor progress in learning.

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[3] Selma Koç, et.al., *Assessment in Online and Blended Learning Environments* (USA: Information Age Publishing Inc., 2015), p. 4.

[4] Afrika Mahmudi. *The Use of G-Form as an Assessment Instrument*. Vol. 3, No. 2, Juli-Desember 2018.p.4

B. Kinds of Assessment

There are two kinds of assessment which they are included not only into the offline assessment but also in the online assessment.

a. Summative Assessment

Summative assessment is a process evaluation, based on the same data that informs formative assessment, is a common background prerequisite of formal learning institutions and typically involves not only product evaluation that can be used as a measure of efficacy, but also process assessment.[5] The term of summative assessment refers to a final assessment of result.[6] Example, there are final assessment to conduct evaluation in the school at the end of the process.

It can be concluded that summative assessment is measuring learning at the end of the process.

b. Formative Assessment

Formative assessment is an important condition for ensuring a good degree personalizes the learning process. Therefore, it really depends on the information gathered monitoring.[7] Formative assessment students usually take place during the course. The aim of

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[5] Angel A. Juan, Thanasis Daradoumis, Fatos Xhafa,et al.2010, *Monitoring and assessment in online collaborative environments: computational technologies for e-learning support,* (USA: Information Science Reference/ IGI Global).p.150

[6] Robyn Benson and Charlotte Brack, 2010, *Online Learning and Assessment in Higher Education,* (Chandos: TBAC Business Centre).p.108

[7] Angel A. Juan, Thanasis Daradoumis, Fatos Xhafa,et al.2010, *Monitoring and assessment in online collaborative environment.*p.150

formative assessment is to help students improve their results.[8] It can be concluded that formative assessment is identifying students' previous knowledge and skills to clarify aspects of their performance that need to be focused on. The example e-mail and the discussion boards can be purposed for paper, the muddiest point, summary of one-sentence, reflection postings, quizzing, and multiple-choice for students' assessment and design learning assessments.[9]

The writer can be summarized that summative assessment involves marking and ranking, while formative assessment includes evaluating and providing input.

2. Online Assessment

Online assessment is a great way to give students the chance to participate in metacognitive reflection on their own learning.[10]

It can be concluded that online assessments provide the opportunity to use more authentic methods to assess students' knowledge, skills and characteristics. Online assessment is as a means of promoting social knowledge building, deep comprehension, reflection and metacognitive thought, and the use of various scaffolding

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[8] Robyn Benson and Charlotte Brack, 2010, *Online Learning and Assessment in Higher Education.*p.109

[9] Jeanne P. Sewell, et.al. "Online Assessment Strategies: A Primer" *The Journal of Online Learning and Teaching*. Vol. 6, May 2011. p.300

[10] David D. Williams, Scott L. Howell, Mary Hricko, *Online Assessment, Measurement, and Evaluation: Emerging Practices*. (United States of America: Information Science Publishing.2006. p.173)

techniques.[11] It can be concluded that online assessment is a way to motivate understanding and knowledge.

According to Dyjur and Kelly online assessment is a method of measuring student success, offering input, or moving students further in their learning process. [12] The assessment may be completely online (example online test) or only require online submission (example essays).

There are several components to evaluate, the assessment process should be viewed as a framework, and online-based assessment should be viewed as a tool for measuring academic achievement of students'. To become a successful online assessment, teachers must expand the assessment methods used in the instructional delivery of the online course.[13]

The writer can be summarized that online assessment is the process of assessing student performance in the learning process using ICTs such as laptops, computers, and Android online via an internet connection. It can use the website, or applications. There are two kinds of assessment which they are included not only into the offline

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[11] David D. Williams, Scott L. Howell, Mary Hricko. *Online Assessment Measurement and Evaluation: Emerging Practices*.p.158

[12] Ashley, et al, *Online Assessment in Higher Education,* University of Calgary, 2020

[13] Marcel Robles - Sandy Braathen, *Online Assessment Technique.*p.47

assessment but also in the online assessment. First is Formative assessment and the second is summative assessment.

1. The Principles of Online Assessment

The principles of online assessment are[14]:

1. Developing learner-centered evaluations of self-reflection.

2. Creating and incorporating grading rubrics for evaluating contributions to the debate, as well as assignments, tasks, and partnerships.

3. Offering guidance for positive feedback and teaching what is needed to encourage students to improve skills in providing feedback.

4. Use assessment methods that are suitable for the situation and correlate with the learning objectives.

5. Designing an easy and a simple assessment, concise, and likely to work in an online setting.

6. Obtaining student feedback on how assessments should be performed.

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[14] Palloff Rena M. Keith Pratt, *Assessing the Online Learner* (United States of America: Jossey-Bass, 2009), P.35-42.

The writer can be summarized that the principles of online assessment are consistent assessment, easy to understand, and performed in an online environment, as well as asking for student feedback on how assessments should be conducted.

2. The Challenges in Online Assessment

There are the challenges in online assessment:[15]

a. Language

According to Brink and Lautenbach, most students claim that the language they use in class differs from the language used in online assessments. The majority of study students have trouble interpreting language and expressing them-selves in an online assessment instrument.

b. Resources

According to Khe and Thomas, technology, access to technology, time, and technical support provided are the types of strategies available here. The era of technology is developing fast, there's no definitive proof that's all teachers or students have the resources.

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[15]Kharisatur Rofiqo , 2019, *Students' Challenges in Working on Online Assessment Using Blog in Computer Assisted Language Learning (Call) Class*, Surabaya. p.16

c. Knowledge and skill

According to Hew and Brush, the knowledge and skills may be a barrier to learning technology curriculum. Many studies indicate that both teachers and students fear using technology in the classroom due to a lack of knowledge and skills in using different forms of technology.

d. Asking the right questions

The challenge is focus on some strategies in the design of actual evaluation instrument. Asking the questions to students may be a little difficult to the teacher because the student's response will decide what feedback and action will be given.[16] Evaluation instrument can focus on various parts of learning activities, but usually revolves around this global area.

e. Designing an effective assessment strategy

The success or failure of online assessment systems will rest, especially, on assessment instruments. General mistakes made by evaluators include designing existing forms too long, short, or has questions or phrases that are not clear. A design depends on its purpose. For formative assessment, it is essential to maintain the

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[16] Mary Hricko – Scott L. Howell. Online Assessment and Measurement: Foundations and Challenges (USA: Information Science Publishing, 2006), 150.

form and the whole process is simple.[17] The assessment should be brief and focuses on evaluating in specific areas or assessment within a certain period. As for summative process evaluation can take longer and can be assessed total experience, there are lots of strategies that can be selected appraisal. That is the teacher's challenge to choose effective assessment for students, what is it formative or summative online assessment.

The writers can be summarized that the challenges in online assessment are language, knowledge, Design an effective assessment strategy and skills as well as sources of technology such as assess of technology.

B. Google Form

1. Definition of Google Form

Google Forms is a platform that allows you to collect data from users through a personalized survey or quiz. The data is then compiled and connected to a spreadsheet automatically. The survey and quiz answers are entered into the spreadsheet.[18] It can be summarized that Google Form is a tool to collect information with the survey or quiz.

Google Forms is a web-based application that allows you to

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[17] Mary Hricko – Scott L. Howell. Online Assessment and Measuremen, 142
[18] Afrika Mahmudi,*The Use of G-form as an Assessment Instrument*, Volume. 3, No. 2, Juli-Desember 2018.p.4

create online surveys, user-friendly questionnaires, and quizzes (API).[19] It can be concluded that Google Form is an application which is can facilitates online questionnaire.

Google Forms is a web application that allows users to build and distribute surveys and polls to registered users.[20] Google Forms is a platform for creating, submitting, collecting, and analyzing surveys and other forms of data collection.[21] It can be summarized that Google Forms is web application to create survey.

The writer can be concluded that Google Form is a tool to created, survey and collect information.

2. The Advantages and Disadvantages of Google Forms

A. The advantages of Google Forms are:[22]

a. Easy to use to collect information because all people use the internet network

b. Google forms without time limit so it can be accessed anytime and anywhere

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[19] Yanawut Chaiyo and Ranchana Nokham, *The Effect of Kahoot, Quizizz and Google forms on the Student's Perception in the Classrooms Response System*, IEEE 2017, p.3

[20] Mireille Djenno, Glenda M. Insua and Annie Pho, *Using Google Forms for collaboration and assessment*, 2015, No 4 Emerald Group Publishing Limited, p.9

[21] Andrew R. Scheef, and Cinda Johnson, *Google Forms for Transition Assessment*, Hammill Institute on Disabilities 2017, p.2

[22] Andrew R. Scheef, and Cinda Johnson, *Google Forms for Transition Assessment*, p.2

c. Google Forms would be a perfect method for collecting and reporting such an assessment.

d. Google Forms is easy to use and allows for a range of query types, including multiple choice, list boxes, and text. A number of themes are often used to make Forms more visually appealing.[23]

B. The Disadvantages of Google Forms are:[24]

a. To use this method, the people must have access to the internet.

b. In terms of design and usability, it is not designed for use on a Tablet or Phone.

Based on the explanation above, the writer can be stated that online assessment using Google form is the process of assessing student performance in the learning process using Google forms.

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[23] Mireille Djenno, Glenda M. Insua and Annie Pho, *Using Google Forms for collaboration and assessment,* p.10

[24] Antonio, *Advantage and Disadvantages of Google Form*, Data Scope 2019, p.2