

APPLICATION OF WEB BASED VE. RUBRIC TO THE PERFORMANCE ASSESSMENT MAKING BED IN SMK HOTEL ACCOMODATION

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Abstract - This background of this research is motivated by the fast moving technology development of the education world which implicates the development standard development of performance assessment in assessing student's competence in SMK Hotel Accommodation, so the result of performance assessment could be well documented for a long time. The purpose of this research is to develop a Web-Based VE.Rubric to the Making Bed Performance Assessment Application in SMK Hotel Accommodation. This research is using descriptive method with the planning, production, and evaluation phase. Data collecting technique was used by utilizing interview and validation test through Expert Judgement to IT Expert, Assessor, Teacher, and Hotel Practitioner as Housekeeping's Expert. The result of the shows that VE.Rubric to the Making Bed Performance Assessment is considered worthy to be implemented to the performance test in SMK Hotel Accommodation and the in the Hotel Industry to the Job Performance Housekeeping Department.

Keywords: VE.Rubric, Web based application, Performance assessment, Making bed, SMK Hotel Accommodation

Introduction

SMK is one of educational institutions with the responsibility of creating and producing human resource with skills, ability, and craftsmanship so that its graduates could contribute in increasing the synergy upon entering the working world. Through the SMK, it is hoped to facilitate the development of knowledge, skills, and able to rise up to the challenge in fulfilling the demand of intermediate level labor from the working world (Baiti and Munadi, 2014). Hotel Accommodation is a skill-competencies available in SMK to help the student before the enter the working world in cooperation with the professional, in the hotel industry in particular. The purpose of this skill is that the student could master the knowledge, attitude, and ability in the housekeeping department through the performance assessment by the hotel industry as the users of SMK Graduates. The reality is that the graduates has not yet lived up to the industry standard, as can be seen from the lack of knowledge, limited skill, and low soft skill (Fauzi, Suwanto, Wibawa, 2020).

The result of preliminaries studies at the housekeeping subject in the SMK shows that assessment rubric that was being used in the making bed practice is still being conducted conventionally using standard format that has not yet utilizing smartphone and laptop. Rubric is a standard evaluation used as guidelines to assess achievement or performance result for the students. The applied assessment in the field of education especially in SMK still being dominated by the written test assessment which is designed to measure the student's ability to remember the learning material taught during the class. However, this system cannot measure learning performance in overall, so a new assessment rubric is needed to measure the true performance of the students (Diartha, et all. 2016). This condition shows that there is a need to develop digitally based performance rubric to support teachers in increasing the quality of assessment and

effectively because the teacher does not need to calculate the assessment result manually but utilizing digital application, so the teacher has to possess the knowledge and mastery in the field of technology (Permana et al., 2019) (Cviko, et all. 2012).

The Innovation to the assessment system could turn teacher to focus more on helping the students to fulfil the standard competency that needs to be achieved. The assessment is a string of activity to collect, analyze, also to interpret information about the process and the result of students done systematically and continually, so it became meaningful information in decision making. The assessment instrument that is good and standardized for assessment activity, it is important and urgent in nature in administering vocational studies, because the result of the assessment informed as reference to decision making of the student's competence (Kamaruddin and Haryanto, 2014:28). One of the tools that can be used in assessing student's competence during the vocational education is Performance Assessment. Performance assessment is a process to assess the students in demonstrating the knowledge and skill about real situations where this performance participant is the maximum performance shown as the result of studies. (Junaidi, Palupi, Ismayati, 2013:82)

Performance assessment is an assessment that emphasize on the skill that are shown by the students and not assessment where the students simply answer or choosing answer from multiple choices that were given. It was also explained that, performance assessment is not only allowing the educator to understand the progress of students, but also allows the students and parents understand their accomplishment in the real world (Wren, 2009). The core of performance assessment is to assess assignment and performance in actuality can be proven by the students, which is the purpose of learning. It could be understood that performance assessment is an evaluation on certain behavior that has to be shown by the students (Gipps & Stobart, 2010)

In relations with the demand and development of technology today, assessment rubric needs to be digitally based developed to ease the teacher in measuring the achieved competence of the students that can be accessed anytime using computer, laptop or smartphone (Muktiarni, dkk., 2019). The assessment during the practical activity needs to be designed so it could convey the accomplished level that has been achieved by the students during the practice activity (Rohaeni, Jubaedah & Rahmah, 2019:18). Through the development of this assessment rubric, it was hoped to give information about achieved competence of the student competently (Hapsari, 2016), also provide ease to the teacher in assessing the students during the practice at school. Rubric can be developed by utilizing technology using computerized to be e-rubric. The use of e-rubric in the assessment process could store data very organized. Managing the data or information can be done faster and accurately compared to the assessment manual that has not yet being computerized (Sugamayana, 2018).

The Development of performance assessment for making bed competency to measure the accomplishment of students in SMK Hotel Accommodation can be done through the development of VE. Rubric Application that can be accessed easily online by the teacher. The use of web-based application has proved to be effective, this is proved by the use of smartphone in school during the learning process has become common (Park, dkk. 20120). The use of smartphone and laptop can be one of the aspect of education in technology, because the learning through the use of smartphone app and laptop has positive influence that is relevant to the comfort of teacher in assessing the students (Muktiarni, 2019).

The use of e-rubric in the performance assessment can provide ease and efficiency of time in the process of assessment (Eyal, 2012). Evaluation process of student's skill by using the observational sheet is still not effective in observing all of the student's element inside the class. Observational Sheet manual is relatively hard, other than it has to be written, data must also be transferred to the software to archive in the database. Other difficulties are the observer has to memorize all the indicators being observed. After the evaluation process, teacher does not have quantitative and qualitative data from all assessment result, it becomes less efficient. Because of it, tools that is easy, practical, efficient, accurate, responsive is needed to conduct qualitative and quantitative assessment by using e-rubric. (Jubaedah Y, Yula C, Muktiarni, Maosul A, 2019).

According to those phenomena, this research is set out to design the application of Web based VE. Rubric, developing Performance assessment of Making Bed and performing validation test through expert judgement to produce assessment rubric that is digitally based tried and true of its worthiness also can be implemented in the conduct of competence test in SMK Hotel Accommodation.

Method

The Method used in this research is the descriptive method going through the stages of design, production, and evaluation. Participant Research involves IT Expert, Computer Program Expert, Assessment Expert, Material Expert from the Academicians and Hotel Industry Practitioner: amounted to 6 people that becomes Expert Judgement in the validation test stage.

Research instruments is using interview guidelines and validation test format to perform evaluation on Web Based VE. Rubric Application to Performance Assessment Making bed in SMK Hotel Accommodation.

Research design consisted of Planning, Production and Evaluation Stages, illustrated as follows:

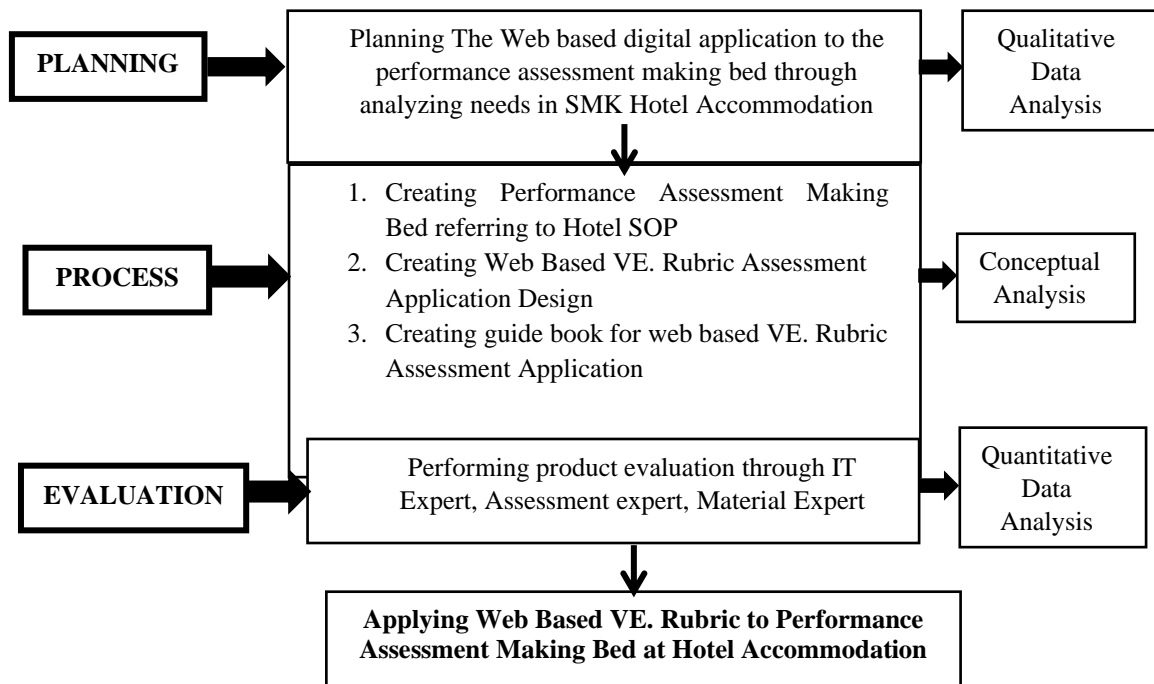


Image 1. Research Design

Result and Discussion

Analysis result of needs regarding to performance assessment making bed is SMK, has acquired that performance assessment making bed is already existing, however it was limited to the assessment aspect of the process that was conducted conventional or manually, which is the teacher giving the assessment result of practice performance on a prepared assessment form, then they are conducting manual counting according to the rules to produce final result. This kind of process could have been done with means that are easier and practical if there were a system application that was on line, so the assessor could give the scores directly after the test was done using computer (Harjono and Purwano, 2015:176). The utilization of application to the development of performance assessment could minimize mistake when conducting performance assessment. Web based application can be access from the website provided which is SmartRubric (Pinemarten Education Ltd., 2015) or developing personally in the form of digital application assessment in accordance to the competency characteristic that will be tested.

Development web based performance assessment is needed to help teacher in conducting performance assessment quickly and accurately also well documented for a very long time. Performance assessment could give information that are valid, reliable, and fair about the student's achieved competence. Performance assessment was made to assess comprehensively the competence of students during the practice. With the instruments assessment performance could prevent speculation acts from assessor during assessment, especially in deciding the final score

after conducting practice about the achieved competence of students, so it could fairly and satisfyingly fulfil its duty for the students (Astuti, dkk., 2015:113).

Existing assessment tools and used manually, can be developed to be e-rubric to ease the assessment by the teacher, whether it is during competence test at school or when the students are conducting field work at the hotel. E-rubric is a tool that can be developed by teacher according to the working stages in the digital application inside the smartphone or laptop. Teacher can utilize the digital technology in performance assessment of vocational education, such as competence test at SMK Hotel Accommodation (Jubaedah, dkk., 2020).

The Making of E-Rubric on the field skill of Hotel Accommodation at SMK started as making smartrubric first. The procedure of creating account as the first step to create digital assessment tools using the smartrubric application, as a preliminary study (Pinemarten Education Ltd., 2015). This application after being adapted to the development of assessment rubric in conducting competence test, acquired from finding that several aspects that needed to be filled out is too complex, so that the teacher needs to adapt to the process of filling it out. From this finding, researcher tries to develop web based rubric assessment that is more practical and systematic which is VE.Rubric. The assessment rubric that is being developed digitally based or VE-Rubric gives ease of use to the teacher during conducting assessment by using the application on the website (Muktiarni, dkk., 2019).

VE.Rubric Application (<http://verubric.id/>) can be used on the competence test in SMK Hotel Accommodation after it has been made appropriate with the characteristic that will be tested in Hotel Industry. This digital application will provide ease to the teacher as internal assessor and industry practitioner as external assessor without conducting achieved competence assessment of the students (Faber, Luyten, & Visscher, A. J. 2017). The stages that were conducted during the development of VE.Rubric of competence test in SMK Hotel Accommodation is as follows :

1. *Login*. In this application, making an account is necessary. This feature is used to register using previously made email and password. To register is very easy, user can choose to Sign Up, then choose department and fill name, email, and making password that will be used to enter the application



Image 2. Login Page

2. *External Assesor*, This feature is filled if external assessor is needed. Everything is the same as the user page except the status is automatically saved as external assessor on the internal assessor page.

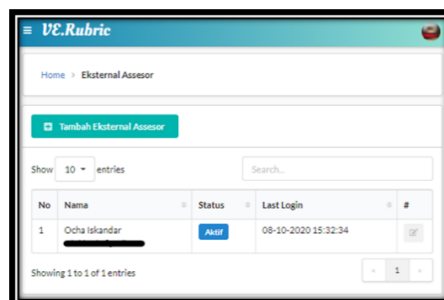


Image 3. Internal and External Assessor Page

Internal Assessor together with External Assessor joins their assessment result and create an agreement about the achieved competence of practitioner, until it is valid, reliable, and consistent (Azmanirah, dkk., 2014). The collaboration between Internal and External Assessor professionally will result in a valid and accurate assessment (Curran, dkk., 2011).

3. Students, contained the student's data that will be assessed. The process remains the same with External Assessor.

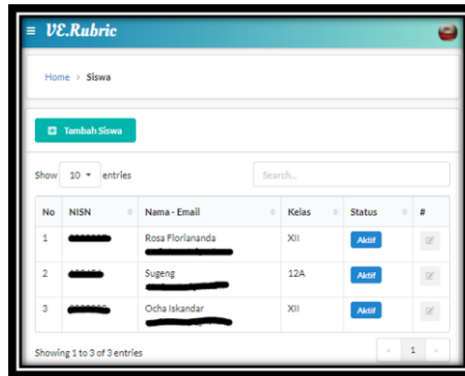


Image 4. Student Page

VE.Rubic Application is used as platform for teacher to assess the performance of the student has interactive feature and providing automatic assessment criteria also includes category to make it more structural. VE.Rubic has simple features and user-friendly interface and also easy to use for showing the progress of student's achieved competence according to the passing standard with the competent or not competent recommendation. The passing standard to decide the achieved competent refers to the standard that has been decided by the institution and SKKNI according to the tested field (Hapsari, 2016). Below is an example of rubric assessment using VE.Rubic application.

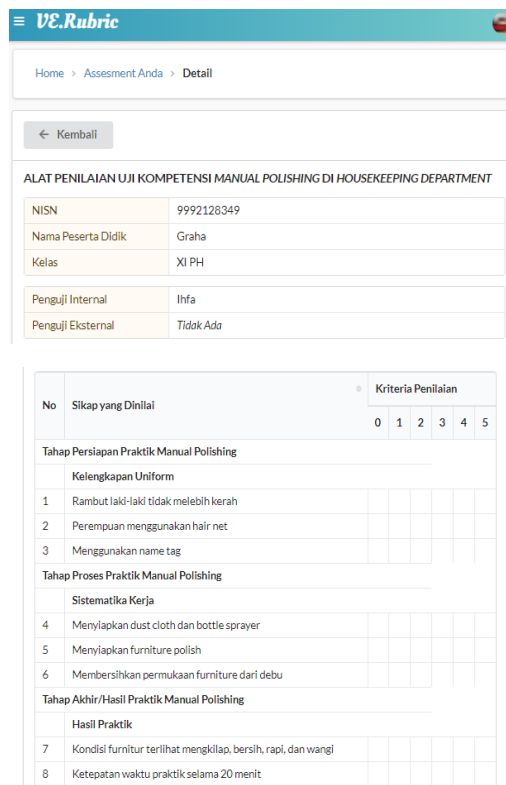


Image 5. Rubric Assessment Page

The result web based of VE.Rubric comes under the category of very worthy to be implemented at Competence test in SMK Hotel Accommodation with the involvement of Hotel industry as external assessor. However according to validator there are several things need to be adjusted as follows:

1. IT and Computer Program Expert

The result of Web-based VE.Rubric application to Performance assessment Making bed at SMK Hotel Assessment by IT and Computer Program Expert acquiring average percentage of worthiness of 90%, Those result shows that the VE.Rubric application are considered very worthy to be used by Teacher on assessing the competence of students for job performance making bed in Housekeeping Department.

The recommended revision is adding a result assessment column that recommends "Competent" or "Not Competent" to the report of assessor's assessment, so the assessor will have a complete data as document that can be accounted for. VE.Rubric is stated as very worthy on the page: Login, Competence, External and Internal Assessor, Students, Assessment, Assessing Rubric, and Report (Surahmat, 2018).

2. Assessment Expert

The result of Web-based VE.Rubric application to Performance assessment Making bed at SMK Hotel Assessment by Assessment Expert acquiring average percentage of worthiness of 100%, Those result shows that the VE.Rubric application are considered very worthy to be used by Teacher on assessing the competence of students for job performance making bed in Housekeeping Department (Knox, dkk., 2015).

Recommended revision are the use of work attitude needs to be changed to indicator as achievement target that needs to be mastered by practitioner or participant of test. Indicator as the development of basic competence to show the result of learning that has to be achieved by students (Salamah, 2018 dan Suyatmini, dkk., 2019). Assessment Rubric are stated as very worthy in the aspect of instruction, substance, construction, language and readability aspects, the use of language and writing technique has to refers to Ejaan Yang Disempurnakan (Khair, 2018).

3. Housekeeping Expert

The result of Web-based VE.Rubric application to Performance assessment Making bed at SMK Hotel Assessment by Housekeeping Expert acquiring average percentage of worthiness of 90%, Those result shows that the VE.Rubric application is considered very worthy to be used by Teacher on assessing the competence of students for job performance making bed in Housekeeping Department.

Recommended revision is adding "no body odor" to the preparation aspect that will be assessed. The assessment rubric is stated as worthy on the aspect: Preparation Stage, Process Stage, and Final Stage on the day of competence test in SMK Hotel Accommodation is in accordance to the Hotel SOP (Rinekasari, dkk., 2019). Standard Operating Procedure contains the rules and steps of working to ease the room attendant in performing make up room process also to achieve desired results to the satisfaction of guest (Mandey, Towolliu and Andih, 2016:90).

The Worthy criteria of web based application to the performance assessment that is being developed will decide the quality of students' competence, because with the assessment instrument that has a very high credibility will produce a result that is very objective and accurate (Badriyah, Thamrin, dan Nurhidayah, 2018:100). Performance Assessment on the aspect of psychomotor taken from Guntur (2014), has following criteria:

- a. Assessment using criteria
- b. Assessment have reliability
- c. Assessment involving rubric
- d. Assessment on the product process

Conclusion

Web Based VE.Rubric Application to performance assessment making med is recommended as very worthy to be implemented on the competence test in SMK Hotel Accommodation by IT and Computer program Expert, Assessment Expert, Material Expert from the academy, and Practitioner of Hotel Industry. Web Based VE.Rubric Application that was produce possess many advantage because it has gone through needs analysis that can ease teachers in

giving assessment to Achieved Competence of the students in Job performance at Housekeeping Department.

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