

Management Infrastructure As A Learning Resource Production Units In SMK Muhammadiyah 1 Bantul And SMK Muhammadiyah 1 Imogiri

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Abstract: The National Education Goals have targeted to improve the personal qualities of students as the next generation in the future. Vocational High School (VHS) is one part of the national education system of which prepares the workforce with the specialized skills required by employers. Production Unit is one of the media in vocational learning that serves as a place of production (especially the product of goods and services). The research was conducted aimed at Determine infrastructure management concepts of VHS production units, plans, implementation and VHS control units of production as a source of student learning. This study is a qualitative case study type. Collecting the data using questionnaires, interviews and documentation methods. Analysis of the Data through the stages of data collection, data reduction, the data presentation and conclusion.

Index Terms: Education Management, Facilities and infrastructure, Learning Resources, Management, Production Unit, Vocational High School

1. INTRODUCTION

Indonesia will be the Reviews largest country in the world with a national income US \$ 46,900 per capita if the welfare, economic growth and maintain the country's development "[12,13]". The key to successful Achieve this goal is to prepare young people for the challenges of the world. Indonesia in 2025 According to the vision should be Able to "become independent,grow, just and prosperous. "Indonesia should be Able to be independent means so as to represent the life of the same as other countries use Reviews their own abilities"[12]". The vision in accordance with national educational goals in Rule No. 20 of 2003 on National Education System. The National Education Goals have targeted to improve the personal qualities of students as the next generation in the future. Vocational High School is one part of the national education system of the which prepares the workforce with the specialized skills required by employers "[12,13]". SMK growth in 2013as many as 11,708, the target of the Directorate of Vocational According Roadmap Vocational Education Development 2010-2014, in 2014 as many as 11 748 SMK with 4,512,063 students and 219,000 teachers (Directorate of Vocational) "[10]". Growth in the number of vocational schools in Indonesia is not accompanied by the quality of graduates According to fields of expertise. The quality of vocational school graduates have not been Able to fill a need in the business world and the industrial world, Because The skills Possessed not meet the standards required by the job. Learning productive practice has not been emphasized in entrepreneurial attitudes, entrepreneurial learning is still a lot of theoretical, production units have not been well-managed and optimized to support learning "[12-14]". One solution regarding the above problem is to optimize the production unit to stimulate the entrepreneurial attitudes of students. The government should give full support to the CMS to develop a production unit as a medium of learning and entrepreneurship, so that in the long term, the agency can produce more young entrepreneurs based on the Ministry of Education and Culture, 2013 "[5]"., Production Unit is one of the media in vocational learning that serves as a place of production (especially the product of goods and services). entrepreneurial competence can be Obtained through learning

in the school production units. Students - students learn how to produce the goods / services that have economic value so that they can be marketed. Such experiences can foster self-confidence for students to entrepreneurship. Aside from being a source of learning production unit can be used as a source of school funding for the management of the unit needs to be optimized in a professional production "[5,13]".Increased capacity and skills to the younger generation candidates for employment is the responsibility of education. To get students ready to work takes eight core competencies namely a) critical communications skills; 2) critical and creative thinking; 3) inquiry / reasoning; 4) intrpersonal skills; 5) multicultural literacy; 6) problem solving; 7) digital literacy; 8) technological skills. Of the eight competencies of graduates, competencies 1 through 6 are soft skills, while competence 7 and 8 are hard skills. Based on the results of the National Labor Force Survey (Sakernas) in 2015 in Bantul, the percentage of the labor force amounted to 67.84 percent, up 0:29 points over the previous year.Data from the Central Statistics Agency (CSA) said the open unemployment rate (OUR) based on education, vocational schools (SMK) with growth,Reached amount 8.92%.in February 2018 from 11:41%in February 2017.walaupun already turub 2, 49% of vocational graduates is still quite high unemployment rate Compared to other graduates, This shows that the percentage unemployment rate should be reduced by developing the entrepreneurial spirit for the students, so it is not always looking for a job, but can open Reviews their own business.DIY CSA received Stating statistical population who work in the province in February 2018 Reached 2076 million orang.Sementara labor force in the province in February 2018, as many as 2,142 million people. The Government's Efforts are needed to improve the competency of graduates of vocational yaiu by improving the curriculum with a desire to Harmonize the corporate world, one way is by organizing a production unit in secondary vocational schools.The production unit can be associated directly or indirectly with education and training programs in vocational. However, the expected activities undertaken in accordance with educational programs and vocational training in order to be helpfull to the achievement of student competency. The existence of the production unit enables

students have direct experience in industrial activity AS APPROPRIATE. Learning to directly support the practice of work-based learning that is in accordance with the purpose of vocational education "[4]". From 49 vocational schools in Bantul not all schools have production units, there were also some schools that have a production unit, but not use it optimally. Of the 49 schools, there are 9 schools have done well production unit (already a regular schedule, there are teachers Involved, the involvement of students, but have not been Able to train students' entrepreneurial optimally in terms of numbers and ideas). To - 49 school is already making contact with the industry, but only limited to delivery Prakerin instead on cooperation opportunities for employment and business activities, such as the manufacture of products that will lead the school and mutually beneficial relationships with other industries have not been implemented a , Judging from the existing conditions in accordance with the demands of school and vocational school, then the production units that can improve student entrepreneurship need to be developed. Here are nine schools in Bantul district along with the type of business from the production unit developed

Tabel.1
yanf school in Bantul district has a production unit

No.	School name	Type of Business (Production Unit)
1	SMK Negeri 1 Bantul	Enterprises run school canteens students
2	SMK Negeri 1 Sewon	Boga effort, Clothing
3	SMK Negeri 2 Sewon	Batik effort Cap
4	SMK Negeri 1 Pandak	batik Enterprises
5	SMK Negeri 1 Display	craft businesses
6	SMK Muhammadiyah 1 Bantul	Trails effort, automotive businesses (Car Repair)
7	SMK Muhammadiyah 2 Bantul	Bike shop
8	SMK Muhammadiyah 1 Bambang Lipuro	Bike shop
9	SMK Muhammadiyah 1 Imogiri	Bike shop

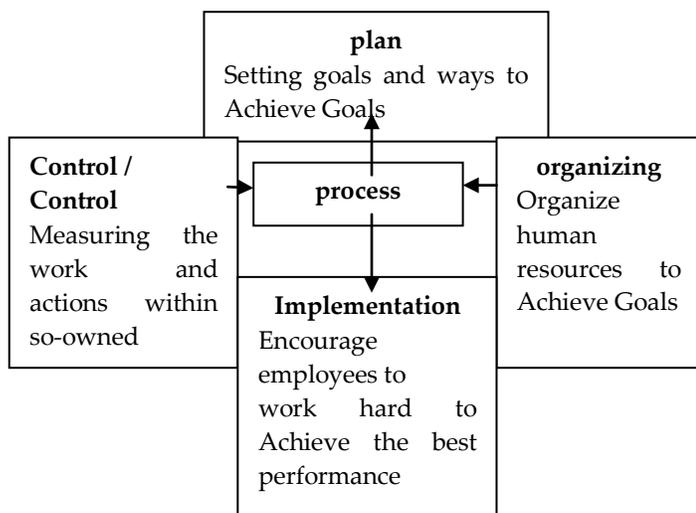
Basic research consideration is as follows: 1) existence of CMS production units in Bantul menyuluruh yet. 2) CMS is organized or have a production unit to improve the competence and skills of its students. 3) With the production unit can increase the confidence of the community towards vocational students are Able to develop Reviews their skills well. 4) For schools that already have a production unit to improve its facilities and Infrastructure as a source of student learning. The success of an educational program through the learning process heavily influenced by various factors, one of the which is the existence of educational facilities were adequate. Infrastructure is a supporting tool in the learning process. The focus of vocational education is to equip students with the skills, mastery of knowledge, attitude and professionalism and competencies required by the workforce. Means of dam infrastructure is one factor that must be met SMK. The production unit SMK erupakan as one means of supporting the success of students in improving Reviews their

skills and competence. This was stated in the National Education Minister Regulation No. 40 of 2008 regulating means da prasarama standard vocational schools (SMK / MAK). In accordance with the above statement will Facilitate the availability of services to students in the learning process. SMK Muhammadiyah 1 Bantul and SMK Muhammadiyah 1 Imogiri is a school that has a Means of Production Unit, the which has been working with the company ASTRA and Daihatsu.

2. LITERATURE REVIEW

2.1 Infrastructure Management Education

School is a place for activities in the which there are three categories that must be fulfilled. The three categories are the administradi staff, technical staff of education (teachers, principals, and students' committee), as well as means memadahi. The relationship of the three must be synergistic, Because The school formed from the operational continuity menguntungkan mutual relationship between the three. An educational institution will function optimally when has a supported system management with human resources (HR), funding / costs, and infrastructure. According Rugaiyah (2011), cited by Muhammad Mustari management of facilities and infrastructure is the management of facilities and infrastructure in the which is done by the school in an effort to support all school activities, both learning activities and other activities so that all activities run smoothly "[9]". Infrastructure management is an activity to organize and manage educational facilities and Effectively efficiently in order to Achieve the goals set. In terms of education is Often Referred to as the educational facilities. Often the term was merged away into education infrastructure. In English the infrastructure is called the facility (facilities). Thus, the educational facilities will be called educational facilities. This title when translated into the Indonesian will be educational facilities. Amenities education means everything (equipment and) that Facilitate (Provide convenience) in organizing educational activities. Management of facilities and infrastructure is a very important thing to do, Because pegelolaan good facilities and Infrastructure as a support for the success of the learning process in sekolah. Jadi is the management of educational facilities in this study was set up to prepare for any activity equipment and management of the overall educational infrastructure, from planning and requirements analysis, procurement, maintenance, storage, inventory and removal as well as the whole arrangement is intended to assess how far the success of the management to Achieve results in support of the process of learning ,in general management functions of planning, organizing, actuating and controlling "[10]". Of the four can be seen in the picture below. Where thick arrows indicate the sequence of activities theoretically management functions. Discontinuous arrows indicate the order is more realistic, the which occurred in management practices. The whole experts agree that the first function of management is planning, and organizing. The relationship between managerial functions is a unity as a continuous process. The managerial function relationship can be Described as follows

fig 1 Function - Management Functions

(Efendi, 2014)

2. 2 Steps Education Infrastructure Management namely:

2. 2. 1 Education Facilities and Infrastructure Planning

The first stage in a management is perencanaan needs. This process is very important to avoid the occurrence of an unexpected error. The effectiveness of planning procurement of school supplies can be judged or seen from how much pengadaannya can meet the needs of schools within a Certain period.

2.2.2 Procurement Infrastructure of Education

Procurement of the second stage and prasarana pendidikan a continuation of the plan that had been developed Earlier school.

2.2.3 Storage Infrastructures Education

Storage is an activity to save the educational facilities in one place in order to maintain the quality and quantity. Store activities include receiving goods, storing goods and mengeluarkan goods or distributing goods.

2.2.4 Maintenance of Infrastructure of Education

Maintenance of educational facilities is an activity to carry out the settings so that all facilities and infrastructure are always in good condition and ready to be used to Achieve the goal.

2.2.5 Education Facilities and Infrastructure Inventarisasi

Inventory of educational facilities is recording or registration of goods - goods belonging to the school into an inventory list of goods in an orderly and organized According to the rules and ordinances that apply.

2.2.6 Elimination of Infrastructures Education

Elimination of facilities and infrastructure is a process that aims to exclude activities / Eliminate the infrastructure of a data inventory, Because The infrastructure is already not working as expected, especially for the sake of learning implementation in school ..

2.2.7 Education Facilities and Infrastructure Monitoring

Supervision is an activity of observation, examination, and assessment of the implementation of the administration of the educational facilities in schools. It is primarily intended to Prevent irregularities, fraud or misuse of facilities and infrastructure.

2. 3 Production Unit In School

Production Unit / Vocational Services is a process of business activities conducted school / madrasah on an ongoing basis, academic and business by empowering people in schools / madrasah and the environment in the form of a business unit of production / services that are managed professionally "[3]" SMK Production Unit is also an incorporated business or a container-entrepreneur entrepreneurship within an organization requires special authority of the head of the school to the manager to perform its duties and responsibilities in a democratic. The aim is among other production units based training rides seagai production / services for students; improve the quality of graduates in many respects, especially in terms of knowledge and skills; rides Cultivate and develop the entrepreneurial spirit of teachers and students at SMK / MAK; means of directly productive practice for students; aid funding in maintenance, facilities and operational costs of education; add the spirit of togetherness, as it can Become a vehicle for improvement of the productive activities of teachers and students as well as providing 'income' as well as improving the welfare of the school community; develop an attitude of self and confidence in the implementation of practical activities of students; train to take risks with the calculation; As for the benefits of the production unit that is as a source of student learning and as a source of funding for education in SMK / MAK.

2. 4 Learning Resources

In general, learning resources can be Categorized into six types: 1) Environment. Namely the conditions and situations where learning activities take place, 2) technique, the procedure used to present the message, 3) Tools items, namely hardware (hardware) used to deliver the message, 4) The man, the man who ACTED as a presenter and message processing, such as a teacher or as a resource that is Involved in learning activities, 5) Book, that all information in the form of ideas, facts, and the data to be conveyed to the students, 6) material, the which is software (software) that contains messages. Implementation of the use of learning resources in the learning process are listed in the current curriculum that in an effective learning process is a learning process that uses a variety of learning resources "[11]". The function of learning resources include: Increasing the productivity of education; Reduce the burden on teachers in presenting information, so that more opportunities in coaching and developing a passion to learn. Provide educational possibilities that are more individualized solutions: Reduce the teacher control functions that are rigid and traditional, provide opportunities for students to develop According to his ability. Provides the basics of teaching more scientific, by the way: Devise an education program more systematically, develop teaching materials through the research effort first.

3. RESEARCH METHODS

This study is a qualitative case study type. This study will include a description, picture of systematic, factual, and

accurate information on Management Infrastructure Production Unit as a source of learning in SMK Muhammadiyah 1 Bantul and SMK Muhammadiyah 1 Imogiri, the which includes three aspects: planning production unit, Implementation Unit Production and Production Supervision unit. The research was conducted in August - October 2019 This is a research place SMK Muhammadiyah 1 Bantul, that addresses. Jalan Parangtritis Km 12, Manding, Tlirenggo, Bantul, Bantul and SMK Muhammadiyah Imogiri addressed in Jl. Bakulan - Imogiri Garjoyo, Hamlet, Imogiri district. Imogiri, Bantul, Yogyakarta 55 782 The main data sources from this study are the principal, Deputy Principal in the field of facilities and infrastructure, the Production Unit coordinator or staff, and students involved in implementing the production unit to become informants / research subjects. Data is collected in the form of their expressions / opinions / perceptions about all matters relating to the ongoing program. Therefore, this type of research data is primary data. The research subjects were determined by purposive sampling model. The school principal and coordinator of the school Production Unit each one person in each school. While the Production Unit coordinator at the department level is adjusted to the number of majors that have production unit activities. While students who are respondents are students who have been involved in the production unit activities at school and have not graduated / left school. In this study, researchers only used examination techniques by utilizing sources. Triangulation with sources means comparing and checking back the degree of trust in information obtained through time and different tools in qualitative research. In this study using different techniques, namely interviews, observations and documents by comparing and checking back the degree of trust in information obtained through different times and checking the data by comparing and checking data obtained from respondents from one another.

4. RESULTS AND DISCUSSION

4.1 Infrastructure and production unit planning and procurement

Procurement planning means to plan to meet the needs of school supplies in accordance with its intended purpose. The purpose of planning the which is to meet the needs of equipment within a Certain period and According to his needs "[1]". This is done by SMK Muhammadiyah 1 Bantul and SMK Muhammadiyah 1 Imogiri by looking at the requirements needed adjusted to the state apparatus and the proposals of each teacher, coordinator of the existing production unit with Honors upon verification. Meeting Results majors is a tool that will be submitted to the Vice Principal areas of Infrastructures equipped tool name, quantity, specifications, and prices. Activities are Carried out so that, during the implementation of the procurement is not a mistake or an error.

Table. 2

Procurement and planning of facilities and production units prsarana

School name	Planning and procurement
SMK Muhammadiyah 1 Bantul	Reinventarisasi, department meetings, school meetings, disbursement and implementation of the procurement

SMK Muhammadiyah 1 Imogiri	Reinventarisasi, department meetings, managing the proceeds from the production unit of procurement
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Source: Waka Sarpras and coordinator Production Unit

4. 2 Inventory of facilities and infrastructure Production Unit

An inventory of activities Carried out by recording all instruments used in practice since early entry to the deletion. According "[1]" inventory consists of two activities: (1) activities related to the recording and coding, and (2) making the report. This is consistent with what is done in SMK Muhammadiyah 1 Bantul and SMK Muhammadiyah 1 Imogiri. Both vocational recording and coding, recording was made of the initial entry to the deletion. Step recording starts from recording in the book receiving, recording in book inventory, coding, labeling, storage. After the activity recording and Accounting Officer membuat production unit accountability reports on a practice tool is made once a year, as well as reference material new filing tool.

4.3 Storage Infrastructure Production Unit

Practice tool storage using storage warehouse building (Production Unit) warehouse storage management is done by Tool Man (assistant engineer) under the responsibility of the Unit Coordinator Produksi. Gudang equipped with storage boxes, lockers, shelving and storage building with an area alamari tailored to the needs, so that each unit has a size different production warehouses. Structuring practice tool storage is done by giving the name of the practice of tool boxes, lockers, shelves, and cabinets, so as a practice tool is stored in accordance with the specified name. In addition, the storage arrangement IS ALSO arranged to see the intensity of use, the which are Often used tool will be placed at the front, so it is easy to Obtain.

4.4 Use of Infrastructure Unit Production

The use of good infrastructure facilities Production Unit in SMK Muhammadiyah 1 Bantul done by looking at the presence of the tool. First, the existing equipment in storage / warehouse, its use by looking at the job practices conducted by students and served by Tool Man (assistant engineer). Students are only allowed to borrow a tool when implementing practical learning, so that the available tools can be well controlled. Second, a practice tool that is in the garage, use is adjusted to the schedule of subjects. Schedule of subjects made by the coordinator of the workshop, heads of departments, and the department secretary. Scheduling see the availability of the tool Compared with the number of students. While the use of infrastructure Production Unit SMK Muhammadiyah 1 Imogiri, Unit Production there is only Provided for apprenticeship students (PKL) so that students are using is the student who sudah familiar with the practice tool but must be under the supervision of technicians from the production unit.

4. 5 Maintenance of Infrastructure Unit Production

Infrastructure Maintenance Unit Production at SMK Muhammadiyah 1 Bantul and SMK Muhammadiyah 1 Imogiri Carried out with the program Maintenance and Repair (MR). MR team consisting of teachers, Production Unit Coordinator, Head of the Department, and the Tool Man (assistant

engineer). MR activity overall shape can be Categorized as daily maintenance every going and completed a practice tool is used, routine maintenance is done every weekly / monthly / yearly by the department in accordance with the needs of tool and see life and the intensity of usage, as well as repairs. Meihat improvement activities with the extent of damage, if the damage is mild it will be corrected by the department but, for heavily damaged tools it will call experts from outside or bring the place of service.

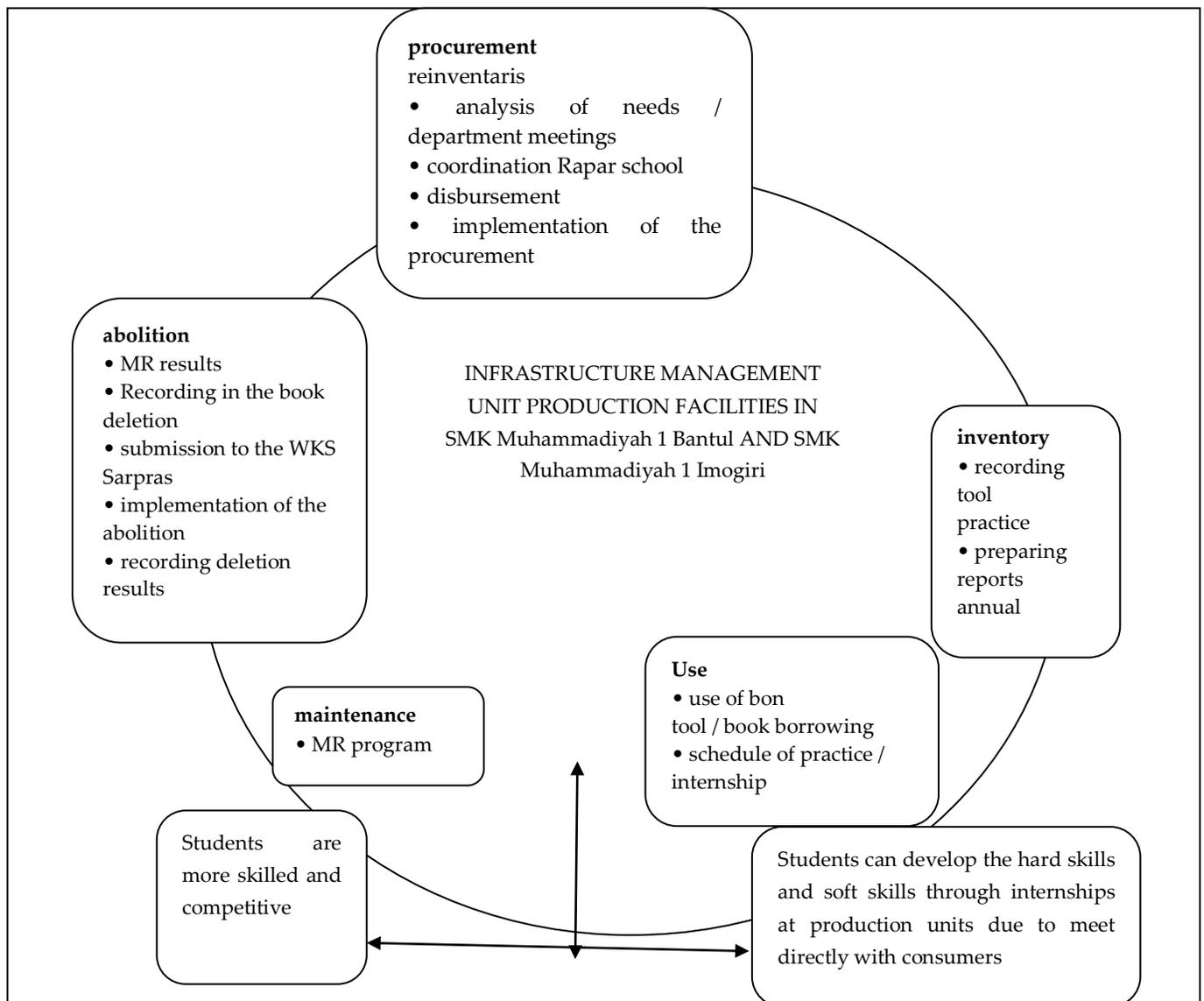
4. 6 Elimination Infrastructure Production Unit

Removal tool in the practice of SMK Muhammadiyah 1 Bantul and SMK Muhammadiyah 1 Imogiri not have a definite schedule, Because every tool is damaged then the department will request removal of the Vice Principal of facilities and good infrastructure. Implementation of the policy Refers to the elimination of school, so it is Relatively simple. The tools will be removed other than broken, but can also be seen from an outdated tool, the tool does not conform to the curriculum, burning tool, the tool does not function properly, the tool has Reached the limit of life as well as a practice tool is missing.

For the elimination of the team itself consists of Production Unit Coordinator, the Head of Department and under the authority of the Vice Principal of Infrastructure.

4.7 Completion and Production Unit Readiness Infrastructure as a Source of Learning student

By managing the infrastructure is good in both Reviews These schools, generate readiness of practice tool used by students in both the learning process and the process of student interns. In accordance with the production unit of the which functions as a source of student learning management jik goes well then praktekpun activities will run smoothly. Thus, students are expected to be ready again to work directly in the world of industry and business world after graduating from vocational school later. Overall the facilities and infrastructure management process flow Production Unit in SMK Muhammadiyah 1 Bantul and SMK Muhammadiyah 1 Imogiri can be Described in the following scheme Infrastructure Management Scheme SMK and SMK Muhammadiyah 1 Bantul Muhammadiyah 1 Imogiri



5. CONCLUSION

(1) Management of production units (planning of procurement, storage, use, maintenance, and deletion) in SMK Muhammadiyah 1 Bantul and SMK Muhammadiyah 1 Imogiri done by each - each unit production manager;

(2) Planning kebutuhan production units is done through coordination meetings majors involving teachers and tool man, team manager of the production unit as well as the management team of the school each - each to Determine the need for tools and goods in the production units are based on the evaluation of the tools and materials that exist According to the needs, the results of the meeting made in the form of proposals submitted to the school. At school procurement plan tailored to the budget available in the draft Budget Schools activities are derived from student fees, government aid, aid foundations as well as the results of the production unit itself. Based on the available budget of the school Determine priorities in the tools and materials needed in the production unit will then be purchased in the current period or deferred purchase. The procurement process itself is done by the manager of the production unit, Because The manager knows the production unit specification tools and materials needed;

(3) Tool new practices that go into the school from the purchase and donation coordinator Noted by the manager of the production unit and tool-man department using coding;

(4) facilities and infrastructure stored in the building production units,

(5) The use of facilities and infrastructure of the production unit is coordinated by the coordinator of the production unit and tool-man (Asiaten technician) each production unit. Both of Reviews These officers are scheduling the use of facilities and infrastructure at the production units in each - each school,

(6) Maintenance of facilities and infrastructure of the production unit Carried through the procedures of maintenance and repair (MR) by the coordinator of the workshop and tool-man department as well as teachers and students. Maintenance and repair of broken tools on schedule mutually performed daily, weekly, monthly, and yearly established, UNLESS it is an emergency. and

(7) the availability of production units more targeted students in learning and developing his talents, the production unit is a place to develop students' skills through direct practice and meet directly with consumers.

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