

Identification of Vocational High School Competency Based on Leading Potential of The Region in Batu City

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Abstract. The target of the synchronization program are schools that have areas of expertise that are not in accordance with the potential of the superior map of the region, the difference is seen from the superior potential of the region synchronized with the distribution of areas of expertise in each province in Indonesia. This research aims to determine the competence of vocational skills in Batu City, based on the findings of the phenomenon of various regional potentials owned by each sub-district spread across Batu City with a spectrum of middle school vocational high school, with the hope that graduates who are intended to be able to develop and cultivate the potential of the region properly. This type of research used qualitative descriptive, data collection methods conducted by interview, study of related documents, and observation of findings in the field to collect any data and facts scattered throughout the region sub-districts in Batu City, as well as with data triangulation analysis techniques. Based on the findings in Batu District, there are 3 main potentials, namely the tourism sector, the restaurant sector, and the tourism sector transportation and agriculture. Batu District has 4 main labor sector priorities, namely the restaurant, hotel sector, tourism and transportation service sector, and agriculture sector. Finding the potential of the Batu City area with a spectrum of vocational expertise competencies is expected to create competent human resources to develop Batu City area.

Keywords: Expertise Competence, Regional Potential, Batu City

INTRODUCTION

Batu City is a city that has advantages in the fields of tourism, agriculture, and tourism farm. Batu City is an area that has abundant resource potential, which can be optimally developed and processed. This must be balanced with Human Resources qualified in developing Batu City, which can be done by giving skills and expertise through determining the competence of vocational expertise that is adapted to the regional potential (Verawardina & Jama, 2019). These considerations are also to realize the vision of Batu City 2018-2022 is Empowered Village, City of Victory in Realizing Batu City as an International Agro-Tourism Centre which has Character and Competitiveness Towards the Realization of Civil Society". Vocational High School is a one of the fields within the scope of education by utilizing vocational education programs, Students are expected to have a competency not only from the cognitive aspect or physically knowledge, but also have expertise and deepen in psychomotor aspects.

According to President Regulation Number 2 of 2015 regarding the 2015 Medium Term Development Plan 2019, decided that the policy view and strategic area development strategy are through accelerating the development of existing regional economic growth centers, by building potential and excellence in manufacturing, food industry, maritime industry, and tourism (Directorate of Vocational Development, 2016). Presidential Instruction No. 9 2016, there is a discussion which explains the duties of the Ministry of Education and Culture to improve & adjust the curriculum Vocational High School with competencies according to graduate students (Link & Match), further discussion also emphasizing the Ministry of Industry which forms the development plan, types of competence (job title), and industrial location related to Vocational High School graduates (Lintong, Korompis & Wuisang, 2021).

Regional potential can be identified through geographical aspects, ranging from the environment, natural resources, to humanistic aspects (Mulyadi, 2018). Competence is a set of intelligent, responsible actions that a person has as a requirement to be said to be capable by the community in carrying out tasks in certain fields of work (Kepmendiknas, 2002). Geographical aspects are systematically divided into 3 main subjects, namely, first, physical geography, focusing on landscapes, animals, and plants (geology, meteorology, climatology) (Cahyanti, Indriayu & Sudarmo, 2018). Second, human geography focuses on economy, population, tourism, social and industry. Third, engineering geography, which focuses on visualizing the earth's surface, cartography, and remote sensing (Maryani, 2006). The

landscape of Batu City consists of mountains, forestry, plantations, and agriculture. According to the main data for the 2019 East Java Vocational School in Batu City, there are 71.4% of IT-based skill programs in state vocational high schools (PVHS) existing, with the potential of the area being dominated by the tourism, agrarian and agricultural sectors.

The main problem is the distribution of competency skills or vocational majors in Batu City is still not mapped based on the superior potential of the region, there are many human resources in Batu City, especially in Batu District, Bumiaji District, and Junrejo District to utilize and process natural resources optimally. This study aims to determine the mapping of the strategic potential of Vocational High School development in the Batu City area based on the regional superior potential, as well as to prepare a design for the distribution of expertise competencies in accordance with the conditions of the identified regional superior potential in Batu City in the hope of realizing the vision and mission of Batu City and increasing human resources. human beings to be able to cultivate, develop and advance the superior potential of the region (Subijanto & Sumantri, 2020).

METHODS

This study uses a descriptive qualitative approach that describes the condition of the real phenomena of Batu City. The sources used are primary data and secondary data, primary data based on interviews (in-depth interviews) equipped with data collection instruments in the form of interviews and participant observation (participant observation) from the people of Batu City, with approximately 80 respondents in each sub-district and based on productive age between 15-50 years, as well as documentation data from the Central Statistics Agency (BPS) Batu City. Sources of secondary data by studying (study documents) documentation photographs of interviews, journal articles, archives of Batu City, as well as related books that describe phenomena in Batu City.

Determination of data sources or informants in this study was carried out using the Snowball Sampling treatment, namely a sampling method in which data were obtained through a rolling process from one respondent to another respondent which was divided into each subdistrict in Batu City, including Batu, Bumiaji, and Junrejo districts. The data analysis technique used is the monomethod data triangulation technique. The stages carried out in data analysis with identification that focuses on data sources. The main sources are interview respondents, related journals, and supporting documentation, by identifying the categories of regional potential, finding data and conducting the organization by linking them with vocational expertise competencies based on the spectrum of expertise competencies.

RESULTS AND DISCUSSIONS

Based on the findings in the field, the formulation of the main data in Batu City, including table 1 of Batu City's potential and labour priority, and the suitability of priorities for various vocational fields of expertise with the superior potential of the region in each District. This data is also supported based on the results of interviews with research respondents in Batu City, and data from the Batu City Central Statistics Agency in 2020, as well as several related research journals that support the results of this study.

Batu District based on research findings, this district has the main potential, namely, the tourism sector, the culinary field, the economic field, and the agricultural sector. The findings of labour priorities in Batu District include restaurants, hotels, tourism, transportation, and agriculture. Skills competencies needed to support the potential possessed in Batu District include Plantation Crops Agribusiness, Plantation Production and Management to focus on Agribusiness and Agrotechnology. Other expertise competencies to support the potential possessed in Batu District in the tourism sector include Travel Business, Hospitality, Marine Tourism and Ecotourism, as well as culinary arts.

Bumiaji District, based on the findings in the field, this district has main potential, namely, agriculture, transportation and tourism services, culinary fields, and animal husbandry. The findings of labour priorities in Bumiaji Sub-district include restaurants, hotels, transportation and agriculture. This is not much different from Batu District, because the area is similar. Skill competencies needed to support the potential possessed in Bumiaji District include Plantation Crop Agribusiness, Plantation Production and Management to focus on Agribusiness and Agrotechnology. Other skill competencies to support the potential possessed in Bumiaji District in the tourism sector include Travel Business, Hospitality, Marine Tourism and Ecotourism, as well as culinary arts.

Table 1. Leading Potential and Labour Priority of Batu City

No.	District Name	Excellent Potential	Labour Priority
1	Batu	a. Services (Restaurant, Accommodation, Hospitality) b. Transportation Services, Tourism c. Agriculture (Vegetables and Fruits)	a. Restaurant b. Hotel c. Tourism Service, Transportation d. Agriculture
2	Bumiaji	a. Services (Restaurant, Accommodation, Hospitality) b. Transportation Services, Tourism c. Agriculture (Vegetables and Fruits)	a. Restaurant b. Hotel c. Tourism Service, Transportation d. Agriculture
3	unrejo	a. Services (Restaurant, Accommodation, Hospitality) b. Transportation Services, Tourism c. Agriculture (Vegetables and Fruits)	a. Restaurant b. Hotel c. Tourism Service, Transportation d. Agriculture

Junrejo District, based on the findings of researchers, this district has the main potential, namely, the culinary field, the hospitality sector, the economic field, the tourism sector, and the agricultural sector. Findings on labour priorities in Junrejo District such as restaurants, hotels, tourism, transportation, and agriculture. The skill competencies needed to support the potential possessed in Junrejo District are the same as Batu District and Bumiaji District due to similar landscapes, such as Plantation Agribusiness, Plantation Production and Management to focus on Agribusiness and Agrotechnology. Other expertise competencies to support the potential possessed in Junrejo District in the tourism sector include Travel Business, Hospitality, Marine Tourism and Ecotourism, as well as culinary arts.

The findings are based on data on the potential of Batu City, priority data on workforce, and priority areas of expertise in each sub-district in Batu City, synchronized with the Spectrum of the Regulation of the Director General of Primary and Secondary Education, Ministry of Education and Culture (Perdirjen) number: 06/D. D5 /KK/2018 concerning the Spectrum of Vocational High School (PVHS) or Vocational Madrasah Aliyah (MAK) as seen in Table 2.

Table 2 Synchronization of Regional Potential with Vocational High School Expertise Spectrum

No.	Sub-District	Labor Priority	Various Area of Expertise Competence	
			Appropriate	Support
1	Batu	a. Restaurant b. Hotel c. Travel Business, Transportation d. Agriculture	1) Catering (119)	a) Visual Communication Design (126)
			2) Hospitality (116)	b) Online Business and Marketing (108)
			3) Hotels and Restaurants (118)	c) Agroindustry (091)
			4) Travel Business (115)	d) Livestock Industry (086)
			5) Agribusiness Food and Horticulture (078)	e) Agricultural Product Processing Agribusiness (089)
			6) Ruminant Livestock and Poultry Agribusiness (084, 085)	
2	Bumiaji	a. Agriculture b. Transportation Services, Tourism c. Hotel d. Restaurant e. Farm	1) Food Crops and Horticulture Agribusiness (078)	a) Agricultural Automation (093)
			2) Agricultural Product Processing Agribusiness (089)	b) Plantation Production and Management (082)
			3) Agroindustry (091)	c) Plant Breeding and Germination (080)
			4) Travel Business (115)	d) Visual Communication Design (126)
			5) Hospitality (116)	e) Online Business and Marketing (108)
			6) Hotels and Restaurants (118)	f) Catering (119)

		7) Livestock Industry (086)	g) Agricultural Product Quality Supervision (090)
		1) Travel Business (115)	a) Plantation Production and Management (079)
	a. Transportation Services, Tourism	2) Hospitality (116)	b) Visual Communication Design (126)
	b. Hotel	3) Hotel and Restaurant (118)	c) Marine Tourism and Ecotourism (117)
3	Junrejo	4) Catering (119)	d) Agricultural Product Management Agribusiness (090)
	c. Restaurant	5) Online Business and Marketing (107)	
	d. Agriculture	6) Landscape and Gardening (081)	
	e. Farm	7) Ruminant Agribusiness (084)	

Based on this data, the main distribution of regional superior potential owned by Batu City is in the form of services (restaurants, hotel accommodations), service sectors (transportation, tourism), and agriculture and animal husbandry. For the priority of labor owned by the people of Batu City, among others, such as restaurants, hotels, tourism services, transportation, and agriculture. The synchronization analysis of vocational expertise competencies based on the superior potential of the area in Batu City, resulted in several main skill competencies, such as Catering, Hospitality, Travel Business, Agribusiness Agricultural Product Management, Plantation Production and Management, Ruminant Livestock Agribusiness, Agroindustry, Online Business and Marketing, and Plant Breeding and Germination.

Regional potential owned by an area is the basic capital for the implementation of regional development. Efforts that can be made through regional potential development policies are in the form of providing development facilities and infrastructure, as well as providing human resources who have expertise according to the region's superior potential (Irfan, 2017). The development of Vocational High Schools according to superior competencies is very important, to be able to improve the quality and results of the area. This is an effort to increase Indonesia's competitiveness in the international arena and increase efficiency in the management of vocational schools (Syarifah, 2018).

CONCLUSION

Batu City with the distribution of Batu District based on data obtained from the research process has regional potential in the form of services (Restaurant, Hospitality Accommodation), services (Transportation, Tourism), and agriculture (Vegetables and Fruits). With a synchronization analysis based on regional potential with a spectrum of vocational expertise competencies, it produces a competency formulation that is in accordance with the conditions of the Batu sub-district, among others, Catering, Hospitality, Hotels and Restaurants, Travel Business, Food Crops and Horticulture Agribusiness, and Ruminant Livestock and Poultry Agribusiness. For the distribution of Bumiaji District based on research that has been done, it produces regional potential in the fields of Services (Restaurants, Hospitality Accommodations), Services (Transportation, Tourism) and Agriculture (Vegetables and Fruits). Synchronization analysis between the potential of the region and the spectrum of vocational expertise competencies, produces competency formulations that are in accordance with the conditions of the Bumiaji District, among others, Food Crops and Horticulture Agribusiness, Agricultural Product Processing Agribusiness, Agroindustry, Travel Business, Hospitality, Hotel and Restaurant, and Livestock Industry. Junrejo Subdistrict, Batu City, with the potential of the area owned based on the results of research that has been carried out to produce superior potential in the fields of Services (Restaurant, Hospitality Accommodation), services (Transportation, Tourism) and Agriculture (Vegetables and Fruits). The results of the synchronization of regional potential with the Competency Spectrum of appropriate vocational skills based on the findings are Travel Business, Hospitality, Hotel and Restaurant, Catering, Online Business and Marketing, Landscape and Gardening, and Ruminant Livestock Agribusiness. The research results obtained can provide input and consideration in determining the policy of competency skills programs in Batu City, and can advance, develop the

community by independently processing their potential, with the availability of competent human resources.

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