

NEED OF VOCATIONAL HIGH SCHOOL BASED ON LOCAL POTENTIAL FOR REGIONAL DEVELOPMENT IN CILACAP DISTRICT

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Abstract

This study intends to: (1) describe regional development programs, (2) determine local potential, (3) describe the level of alignment of the current spectrum of expertise and make a spectrum of expertise Vocational High Schools based local potential in the Cilacap District. Descriptive research was used in this study. The research site was carried out in the Cilacap Regency area. The data sources used are secondary data sources, namely the use of data through official documents such as the Rencana Tata Ruang Wilayah (RTRW), Rencana Pembangunan Jangka Menengah Daerah (RPJMD), Cilacap Regency in the 2017 Figures and the Cilacap Regency Economic Census in 2016. Analysis of official documents are used to achieve the research objectives. The validity of the documents carried out is the provision of a wet stamp from the related agency. The results of this study include: (1) the development program planned for the development of local potential in the Cilacap Regency area is listed on the 4th mission of regional development, namely "developing an economy that relies on local and regional potential"; (2) existing local potential includes the manufacturing sector; agriculture, forestry and fisheries; wholesale and retail trade, car and motorcycle repair; and the construction sector; (3) the level of alignment of the expertise spectrum of SMK with local potential in corridor 1 amounting to 35.7%; corridor 2 of 28.6%; corridor 3 is 43% while corridor 4 is 28.5%; areas of expertise that are in harmony with local potential include: Technology and Engineering; Agribusiness and Agrotechnology; Maritime; Business and management. The needs of local potential vocational schools are 36 schools, 465 classes and 887 teachers. It is necessary to close and increase the areas of expertise, expertise programs and expertise competencies to be in harmony with local potential in the Cilacap Regency and its surrounding areas.

Keywords: vocational school based local potential, regional development, cilacap region

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INTRODUCTION

Economic inequality between regions is the background for why regional-based potential optimization is interesting to analyze. Cilacap Regency GRDP is ranked 2 as the biggest contributor to GDP in 2016 after Semarang, which is 9.22 percent. The economic potential of Cilacap Regency is mainly in the category of Manufacturing Industry. The role of the Manufacturing Industry category is 64.09 percent of the GRDP of Cilacap Regency, which is the largest in the Food and Beverage Industry subcategory. There are similarities in the potential of the region owned to the 24 sub-districts, because of the conditions of nature, culture, education and so forth. It is necessary to divide the development sub-region to facilitate the categorization of the potential of the area owned. The administrative map of the Cilacap Regency area can be seen in the following Figure 1.

Based on the Education and Culture Statistics Data Center, the number of vocational high school students in Cilacap Regency in 2017/2018 is 38,534. This amount is an accumulation of 65 existing schools. The potential of the workforce in the vocational secondary education sector in Cilacap Regency in 2017/2018 is 13,362 graduates who are ready to

work according to their respective fields of expertise (Direktorat Pembinaan Sekolah Menengah Kejuruan, 2018). The number of graduates indicates that every year Cilacap has prospective skilled workers who are ready to work and advance the region. Clarke & Winch (2007, p. 9) says that vocational education is limited to preparing the population for life in the workforce. Whereas according to Gunderson (2004, p. 3), vocational education includes courses and programs at various levels of education for certain careers in the field of work. According to Billet (2011, p. 2), vocational education as “education for employment” namely the ability to carry out work that is in accordance with the field of expertise must be owned by students. Vocational education in an international context, often referred to as TVET (Technical and Vocational Education and Training). TVET is related to the acquisition of knowledge and skills for the world of work (Gough, 2010, p. 1). Vocational education involves the preparation of people for the world of work, that is, preparing them to “make a living” by the nearest and distant communities (Thomas, 2005, p. 626). In line with that, Rauner (2009, p. 1451) states that vocational education is different from all types of education institutionalized in schools and universities.

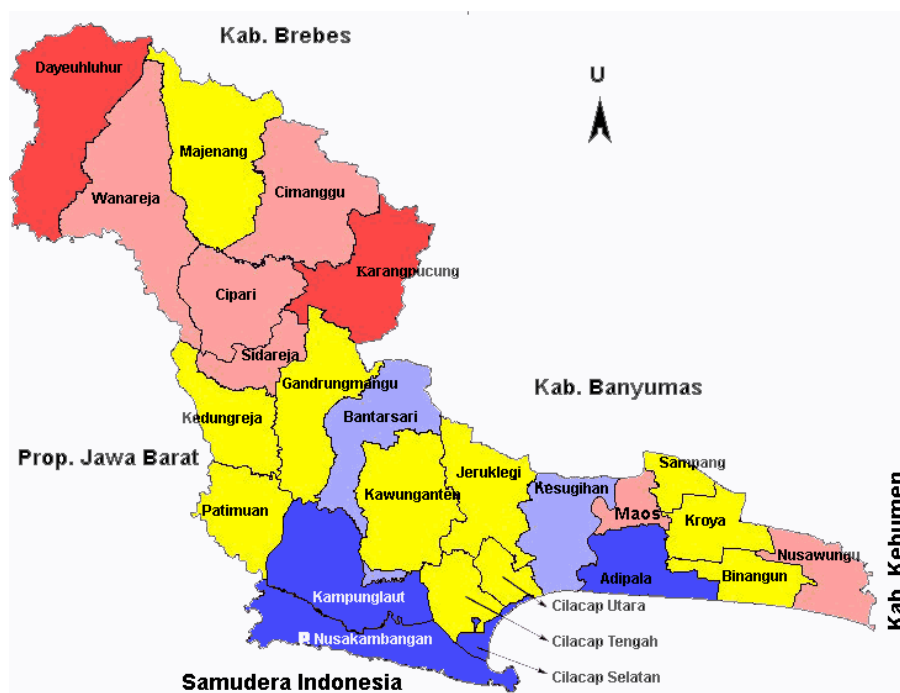


Figure 1. Map of Cilacap Regency Area (Source: BPS Documents)

Understanding of the type of command or assignment of a work related to the development of knowledge in an education is called vocational education (Sudira, 2016, p. 9). Pavlova (2009) said the objectives of the tradition of vocational education include:

Traditionally, direct preparation for work was the main goal of vocational education. It was perceived as providing specific training that was reproductive and based on teachers' instruction, with the intention to develop understanding of a particular industry, comprising the specific skills or tricks of the trade. Students' motivation was seen to be engendered by the economic benefit to them, in the future. Competency-based training was chosen by most governments in western societies as a model for vocational education (Pavlova, 2009, p. 7).

The main purpose of vocational education if viewed traditionally is the direct preparation of prospective workers to work. In line with Pavlova (2009) & Rojewski (2009) says the tradition of vocational education prepares skilled workers with high abilities that are subject to employers. But the open unemployment rate of vocational school graduates is actually very high compared to other education levels. This condition is caused by a mismatch of fields of expertise possessed by the needs of the workforce, and graduates without skills who can face a disruptive era. Renewing the vision of vocational education has an impact on changing educational goals, teaching and learning activities, learning tools and teaching based on world-class vocational education (Pavlova & Munjanganja, 2009, p. 80; Cheng, 2006, p. 25). According to Sudira (2015, p. 2) skills to deal with the 21st century include LIS 5C, namely Learning-Innovation Skill (LIS): Critical thinking and problem solving; Communications and Collaboration; Creativity and Innovation. Whereas according to Trilling & Fadel (2009, p. 8) the new skills needed by the world of work today are complex communication and expert thinking. Skills including complex communication are communications and collaboration while critical thinking and problem solving fall into the category of expert thinking skills. While creativity and innovation skills become supporters of the application skills of imagination and discovery. Vocational educa-

tion as an institution for preparing human resources (HR) for the world of work needs to pay attention to issues and renewal of the education substance (Sawyer, 2012; Littleton, Taylor, & Eteläpelto, 2012; Taylor, 2012).

According to Maley, Worley, & Dent (2009), career graduates can have a quality lifestyle with the provision of longer learning programs. In addition to learning programs, Maley, et al (2009) also mentions the main factor for achieving student success is through an approach by developing professional teachers who utilize local technology and culture. Whereas according to Abdullah, Hussin, Shonubi, Ghazali, & Talib (2018, p. 71) there is a significant relationship between self knowledge, job exploration, and career decision making. In line with Maley, et al (2009) & Hee (2014) says that in the learning process, students tend to like the deep learning approach of age and gender groups. Whereas according to Paimin, Hadgraft, Prpic, & Alias (2011), learning strategies do not have a direct relationship with the intention of learning unless mediated by motives for learning. According to Cournoyer & Deschenaux (2017), decision making by graduates is characterized by: (1) socio-professional and economic decline; (2) recognize yourself, personally and socially; (3) theoretical and practical values; (4) utilizing supporting conditions; and (5) closeness reconciliation. Wagiran (2008) shows that the top ten skills expected by industry include aspects of honesty, work ethic, responsibility, discipline, application of the principles of safety, initiative, creativity, cooperation, adjustment, self-confidence, and tolerance.

RESEARCH METHOD

The type of research used in this study is descriptive research with a document analysis approach. The procedure of the research carried out was by collecting official documents, then carried out an analysis to produce regional development programs, local potential, the spectrum of expertise of the existing vocational secondary schools and those which should be based on local potential. The analysis to determine the local potential which is a superior and potential sector is using LQ (Local Quotient) analysis. The instruments in this study were researchers, flashdisks, internet networks, notebooks, and cameras. The area of Cilacap

Regency is divided into 4 corridors for sub-development areas, which consist of each corridor totaling 6 sub-districts. Corridor 1 consists of six sub-districts, namely Dayeh-luhur, Wanareja, Majenang, Cimanggu, Cipari, and Karangpucung. Corridor 2 consists of six sub-districts, namely Sidareja, Gandrungmangu, Kawunganten, Kedungreja, Bantarsari, and Patimuan. Corridor 3 consists of six sub-districts, namely Adipala, Binangun, Kampung Laut, South Cilacap, Central Cilacap, and Cilacap Utara. Corridor 4 consists of six sub-districts, namely Nusawungu, Jeruk Legi, Kesugihan, Maos, Sampang, and Kroya. The grouping is considered based on the map of the administrative area and existing local potential characters.

RESULT AND DISCUSSION

Results

Regional Development Program

Based on the results of data analysis conducted, the results of the research were obtained to solve the research questions. The results of the first study were a description of the regional development program owned by Cilacap District within a period of 5 years (see Table 1)

Local Potential

The results of the second study are related to local potential which is the leading and potential sector in each corridor of the development area (see Tables 2 and 3).

Table 1. Direction of Regional Development of Cilacap Regency

Year	Direction of Development Policy
2018	Improving the quality of basic education services in the realization of schools Minimum service standards are focused on providing quality education infrastructure (quality of classrooms, teacher's room, library and laboratory quality) and cultural character
2019	Improving the quality of basic health facilities and infrastructures and referencing in the realization of healthy communities is focused on realizing quality basic service facilities, quality referral facilities and clean and healthy lifestyles, providing social rehabilitation to people with social problems (PMKS), integration of gender mainstreaming (PUG)) and the Child Rights Mainstreaming Strategy (PUHA)
2020	Economic development and infrastructure in the framework of the region strengthens the development of peripheral and border areas focused on increasing access to tourism villages, innovation villages and infrastructure for economic development in the community. Democratic economic development is focused on improving the quality of micro-enterprises, cooperatives and enhancing traditional markets
2021	Improving the quality of regional infrastructure in Strengthening the development of peripheral and border areas focused on road repair, drainage, irrigation, waste management
2022	Improving the quality of regional infrastructure to achieve universal access (slum, sanitation and drinking water) is focused on fulfilling public housing, drinking water, sanitation and public space

(Source: Data Analysis Results, 2019)

Table 2. Local Superior Sectors

Development Area	Business field	Criteria
Corridor 1	Agriculture, Forestry, Fisheries	Featured Sector (Base)
	Big Trade and Retail, Car and Motorcycle Repair	Featured Sector (Base)
Corridor 2	Agriculture, Forestry, Fisheries	Featured Sector (Base)
Corridor 3	Manufacturing Industry	Featured Sector (Base)
	Big Trade and Retail, Car and Motorcycle Repair	Featured Sector (Base)
	Construction	Featured Sector (Base)
Corridor 4	Manufacturing Industry	Featured Sector (Base)
	Agriculture, Forestry, Fisheries	Featured Sector (Base)
	Big Trade and Retail, Car and Motorcycle Repair	Featured Sector (Base)
	Construction	Featured Sector (Base)

(Source: Data Analysis Results, 2019)

Table 3. Potential Sectors in each Corridor

Development Area	Business field	Criteria
Corridor 1	Manufacturing Industry	Potential Sector (Non Base)
	Construction	Potential Sector (Non Base)
Corridor 2	Manufacturing Industry	Potential Sector (Non Base)
	Agriculture, Forestry, Fisheries	Potential Sector (Non Base)
	Big Trade and Retail, Car and Motorcycle Repair	Potential Sector (Non Base)
	Construction	Potential Sector (Non Base)
Corridor 3	Agriculture, Forestry, Fisheries	Potential Sector (Non Base)
Corridor 4	-	-

(Source: Data Analysis Results, 2019)

Level of Alignment of the Expert Spectrum

Alignment levels were analyzed based on the spectrum of expertise in each corridor of the development area. The results of the third study

are related to the existing level of SMK spectrum alignment with local potential (see Table 4, 5, 6, 7).

Table 4. Level of Alignment of Existing Vocational Expertise Spectrum with Local Potential in Corridor 1

No.	Areas of expertise	Expertise Program	Skill Competence	Level Alignment
1	Technology and Engineering	Technology and Construction	Construction and Property Business	Conformable
			Electricity Technique	Electric Power Installation Techniques
		Mechanical Engineering Automotive Engineering	Machining Techniques	Misaligned
			Automotive Light Vehicle Engineering	Conformable
			Motorcycle Engineering and Business	Conformable
2	Information and communication technology	Chemical Engineering Computer Engineering and Informatics	chemical analysis	Misaligned
			Multimedia	Misaligned
			Software engineering	Misaligned
			Computer and Network Engineering	Misaligned
3	Agribusiness and Agro-technology	Agribusiness Crop Agribusiness Livestock	Agribusiness Food Crops and Horticulture	Conformable
			Agribusiness Poultry	Conformable
4	Business and management	Office management Business and Marketing Accounting and finance	Office automation and Governance	Misaligned
			Online business and marketing	Conformable
			Accounting and finance institutions	Misaligned
5	Tourism	Kulinary Fashion	Syariah banking	Misaligned
			Cullinary art	Misaligned
6	Health and social work	Pharmacy	Pharmaceutical Industry	Misaligned
			Clinical and Community Pharmacy	Misaligned
7	Arts and Creative Industries	Art	Animation	Misaligned
Level Alignment (Total Align/Ideal x 100%)				35.7%

(Source: Data Analysis Results, 2019)

Table 5. Spectrum's Expertise Level Vocational Existing Alignment with Local Potential Corridor 2

No.	Areas of expertise	Expertise Program	Skill Competency	Level Alignment	
1	Technology and Engineering	Mechanical Power	Mechanical Power Installation	Misaligned	
		Automotive Engineering	Automotive Light Vehicle Engineering	Conformable	
		Mechanical Engineering	Techniques and Business Motorcycle	Misaligned	
			Mechanical Machining	Misaligned	
2	Information and communication technology	Electrical engineering	Mechanical Audio Video	Misaligned	
		Computer Engineering and Information Technology	Multimedia	Misaligned	
		Agribusiness and Agro-technology	Agribusiness Crop	Agribusiness Food Crops and Horticulture	Conformable
			Office management	Office automation and Governance	Misaligned
4	Business and management	Business and Marketing	Online business and marketing	Conformable	
		Accounting and finance	Accounting and finance institutions	Misaligned	
		Pharmacy	Clinical and Community Pharmacy	Misaligned	
6	Health and Social Work	Pharmacy	Clinical and Community Pharmacy	Misaligned	
7	Maritime	Cruise Fishing Vessels	Teknika Fishing Vessels	conformable	
8	Arts and Creative Industries	Art	Animation	Misaligned	
Level Alignment (Total Align/Ideal x 100%)				28.6%	

(Source: Data Analysis, 2019)

Table 6. Spectrum's expertise level vocational Existing Alignment with Local Potential Corridor 3

No.	Areas of expertise	Expertise Program	Skill competency	Level Alignment
1	Technology and Engineering	Mechanical Power	Mechanical Power Installation	Misaligned
		Technology Construction and Property	Mechanical Power Plant	Misaligned
			Business Construction and Property	Design and Building Information Modeling
		Automotive Engineering	Automotive Light Vehicle Engineering	Techniques and Business Motorcycle
2	Information and communication technology	Mechanical Engineering	Mechanical Machining	Misaligned
			Welding techniques	Misaligned
			Multimedia	Misaligned
3	Agribusiness and Agrotechnology	Agribusiness Crop	Computer and Network Engineering	Misaligned
			Agribusiness Food Crops and Horticulture	conformable
4	Business and management	Office management	Office automation and Governance	Misaligned
		Business and Marketing	Online business and marketing	conformable
		Accounting and finance	Accounting and finance institutions	Misaligned
5	Health and Social Work	Pharmacy	Syariah banking	Misaligned
			Pharmaceutical Industry	Misaligned
6	maritime	Cruise Fishing Vessels	Nautical Fishing Vessels	conformable
7	Energy and Mining	Oil Technic	Mechanical Oil, Gas and Petrochemical	Misaligned
8	Tourism	Hospitality and Tourism Services	Hospitality	Misaligned
		Culinary	Cullinary art	Misaligned
		Fashion	Fashion	Misaligned
Level Alignment (Total Align/Ideal x 100%)				43%

(Source: Data Analysis, 2019)

Table 7. Spectrum's expertise level vocational Existing Alignment with Local Potential in Corridor 4

No.	Areas of expertise	Expertise Program	Skill competency	Level Alignment
1	Technology and Engineering	Mechanical Power	Mechanical Power Installation	Misaligned
			Mechanical Power Plant	Misaligned
		Automotive Engineering	Automotive Light Vehicle Engineering	conformable
			Techniques and Business Motorcycle	Misaligned
			Mechanical Ototronik	Misaligned
		Mechanical Engineering	Mechanical Machining	Misaligned
			Electrical engineering	Mechanical Audio Video
2	Information and communication technology	Computer Engineering and Information Technology	Multimedia	Misaligned
		Computer and Network Engineering	Engineering	Misaligned
3	Business and management	Office management	Office automation and Governance	Misaligned
		Business and Marketing	Online business and marketing	conformable
		Accounting and finance	Accounting and finance institutions	Misaligned
4	maritime	Cruise Fishing Vessels	Syariah banking	Misaligned
			Nautical Fishing Vessels	conformable
5	Tourism	Hospitality and Tourism Services	Teknika Fishing Vessels	conformable
			hospitality	Misaligned
		Culinary Fashion	Cullinary art Fashion	Misaligned Misaligned
Level Alignment (Total Align/Ideal x 100%)				28.5%

(Source: Data Analysis, 2019)

SMK needs Based Local Potential

The results of the fourth study is SMK needs based on local potential. Consists of a spectrum

of vocational skills based on local potential, the need for teachers, school and grade (see Table 8, 9, 10, 11, 12).

Table 8. Spectrum Needs Vocational Skills-Based Local Potential Corridor 1

No.	Areas of Expertise	Expertise Program	Skill competency	Education Programs	
				3 Th	4 Th
1	Agribusiness and Agrotechnology	Agribusiness Agricultural Product Processing	Agribusiness Agricultural Product Processing	√	
			Agribusiness Crop	Agribusiness Food Crops and Horticulture	√
		Agribusiness Livestock	Agribusiness Crops	√	
			Agribusiness Ruminant	√	
			Agribusiness Poultry	√	
		Forestry	Forest Products Production Technology	√	
		2	Maritime	Fishery	Freshwater Fishery
Agribusiness					
3	Technology and Engineering	Automotive Engineering	Automotive Light Vehicle Engineering	√	
4	Business and management	Business and Marketing	Online Business and Marketing	√	
			Retail	√	

(Source: Data Analysis, 2019)

Table 9. Spectrum Needs Vocational Skills-Based Local Potential Corridor 2

No.	Areas of Expertise	Expertise Program	Skill competency	Education Programs	
				3 Th	4 Th
1	Agribusiness and Agrotechnology	Agribusiness Agricultural Product Processing Agribusiness Crop	Agribusiness Agricultural Product Processing	√	
			Agribusiness Food Crops and Horticulture	√	
			Agribusiness Crops	√	
		Agribusiness Livestock	Agribusiness Ruminant	√	
			Agribusiness Poultry	√	
			Forest Products Production Technology	√	
2	maritime	Fishery	Freshwater Fishery Agribusiness	√	

(Source: Data Analysis, 2019)

Table 10. Spectrum Needs Vocational Skills-Based Local Potential Corridor 3

No.	Areas of expertise	Expertise Program	Skill competency	Education Programs	
				3 Th	4 Th
1	Technology and Engineering	Technology Construction and Property	Building Construction, Sanitation and Maintenance	√	
			Road Construction, Irrigation and Bridges	√	
			Design and Building Information Modeling	√	
			Automotive Engineering	√	
2	Business and management	Business and Marketing	Automotive Light Vehicle Engineering	√	
			Online Business and Marketing	√	
			Retail	√	

(Source: Data Analysis, 2019)

Table 11. Spectrum Needs Vocational Skills-Based Local Potential in Corridor 4

No.	Areas of expertise	Expertise Program	Skill competency	Education Programs	
				3 Th	4 Th
1	Agribusiness and Agrotechnology	Agribusiness Agricultural Product Processing agribusiness Crop	Agribusiness Agricultural Product Processing	√	
			Agribusiness Food Crops and Horticulture	√	
			Agribusiness Crops	√	
		agribusiness Livestock	Agribusiness Ruminant	√	
			Agribusiness Poultry	√	
			Forest Products Production Technology	√	
2	Maritime	Cruise Fishing Vessels Fishery	Nautical Fishing Vessels	√	
			Freshwater Fishery Agribusiness	√	
			Agribusiness Fisheries Brackish Water and Marine	√	
			Automotive Engineering	√	
3	Technology and Engineering	Technology Construction and Property	Building Construction, Sanitation and Maintenance	√	
			Road Construction, Irrigation and Bridges	√	
			Design and Building Information Modeling	√	
			Automotive Light Vehicle Engineering	√	
4	Business and management	Business and Marketing	Online Business and Marketing	√	
			Retail	√	

(Source: Data Analysis, 2019)

Table 12. Vocational needs in each Corridor Development Area

Territory Development	School needs	Classroom needs	Teacher needs
corridor 1	9	108	228
corridor 2	17	202	337
corridor 3	4	76	137
corridor 4	6	79	185
total	36	465	887

(Source: Data Analysis, 2019)

Discussion

The high rate of unemployment of graduates of vocational school does not mean that the skills possessed incompetent, but many factors that influence such a mismatch of expertise with the needs of the workforce. Academic qualification is not a tool to ensure graduates obtain employment (Mazwin, 2006). Regional development programs aligned with CMS as a labor provider to establish the region can have an impact on the decline in the unemployment rate. Companies across the world are considering the graduates and their readiness to work (NICHE, 2009). Moreover, the quality of students as interns greatly influencing skills and personality after being labor graduate (Jingzhou, Yanjun, Jingru, Lihong, FeiZhu, Xinyu, & Jinmeng, 2018). The ability to build human relationships, the ability to utilize the information, the ability to plan for the future, and the ability to make decisions is a goal that should be given priority in the planning of vocational courses to produce graduates who are productive (Morita, 2018, p. 70). Sukardi (2011) said that knowledge or skill if done regularly and continuously, students/graduates will master the knowledge or the material thoroughly. According to Abdurrahman (2016), a program developed in vocational skills tend to be based on the needs of the potential of the area, just a little effort vocational graduates who can be absorbed by the local industry because most industries are still using traditional methods in knowledge as well as the production process. One cause of the graduates are not absorbed optimally is because middle-age population can not have that can facilitate the vocational school, by Mirza (2008) is not yet even education, especially in terms of quantity / number of vocational schools affect the amount of skilled labor produced, so the industry will use the labor outside the area. Kilpatrick (2004) ar-

gues that the education and training institutions have an important role in the development of the regions or the key to the interaction of the public and the government in regional development. The growth of an economy that occurred in the region will have an impact not only on economic growth in the region, but also in other parts of the economy (Setiawan, 2006). Kilpatrick (2004) argues that the education and training institutions have an important role in the development of the regions or the key to the interaction of the public and the government in regional development. The growth of an economy that occurred in the region will have an impact not only on economic growth in the region, but also in other parts of the economy (Setiawan, 2006). Kilpatrick (2004) argues that the education and training institutions have an important role in the development of the regions or the key to the interaction of the public and the government in regional development. The growth of an economy that occurred in the region will have an impact not only on economic growth in the region, but also in other parts of the economy (Setiawan, 2006).

Educational development based on local potentials rightly done extensive and systematic studies to produce proper planning target. In this study, conducted analiss local potential of the flagship, determine the spectrum of vocational skills based on local potentials, analyze the potential for population and employment. These variables should be mutually supportive vocational development. According Wagiran (2010), there are four main focus on the in-depth study, namely; (a) an analysis of the potential and resources, (b) the preparation of some concepts of neighborhood-based education development (area), (c) short-term programming, medium, long, (d) human resource planning and supporting facilities.

Alignment level vocational skills spectrum conditions that exist today with local potential is still low. At one level alignment corridor is only 35.7%, in the corridor 2 was 28.6% and the third corridor of 43% while 28.5% 4 corridor. There are a lot of competency skills that should exist but not in any CMS. So that these conditions allow to make one of the reasons the unemployment rate is still higher vocational graduates. CMS needs to maximize the potential of the population can be used as new ways to increase the number of skilled labor.

Potential resources owned by Indonesia both natural and human potential should be managed better in improving the local economy. One solution for the government in improving the economic condition is to make the most of the potential of nature and the number of people as workers. Not all communities in all regions in Indonesia can receive education up to secondary school level, the gross enrollment rate indicates that there are still many people aged 16-19 years who did not receive education up to upper secondary level. The role of government was needed to reduce the school dropout rate.

Vocational Secondary School is a secondary educational institutions that can be used as a tool of labor scorer reliable. However, graduates of vocational far only capable of being a labor used for its own interests and the company in place of work (a foreign company) that would benefit outsiders. It takes a shift in the orientation of vocational graduates so that the potential of skilled labor can be utilized to promote the region and the country. So that economic inequality in each area can be reduced.

CONCLUSION

Planning vocational training based on local potentials can be done by analyzing the potential of the area to determine the economic sector which is the base and non-base, making a reference spectrum of expertise that is consistent with the potential of the area and to identify the level of alignment of the existing spectrum of expertise. In addition analysis of population aged 16-18 years who have not attained secondary education is needed, because in order to plan the needs of vocational and high school with a 70:30 ratio to facilitate the population. SMK needs based on local potential which has been obtained based on the research results are expected to assist the government in developing the area, reduce unemployment and boost the economy of the community, and create a new orientation for vocational school graduates to be able to work on building areas within maximize the potential of nature. The new orientation can be a solution for the government in preparing a skilled workforce.

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