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Research paper

The Impact of the Distance between School and Downtown on the Result of the National Exam on Geography 2017

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Abstract

There are some factors that will determine the result of National Exam score. One of them is the distance between school and downtown. The schools that are located in the downtown should have higher score compared to the schools located far away from downtown. It is because of the circulation of information around the downtown schools is more rapid than those schools located in far away from downtown. There are some previous research on correlation between students' accessibility to their schools with students achievement, however there no research on correlation between school distance from downtown and students achievement. This research aims to analyze the correlation between school distance to downtown and students' National Exam achievement on geography subject in 2017. This research is a qualitative descriptive research. This research uses documentation and literature study. The result data of this research shows the school in downtown achieved highest National Exam score on geography, however, there is no positive correlation between the mileage to schools and students' achievement. Furthermore, the distance beteween school and downtown does not show a positive correlation. Therefore it could be concluded that there is no correlation between distance and mileage from school to downtown with the National Exam result on geography subject in 2017 at SMA Negeri Kabupaten Bangka (Public Senior High School in Bangka Regency).

Keywords: *Distance, Geography, Learning Result, Mileage.*

1. Introduction

Gerber [1] explains that geographical education is a complex concept that can be understood by explaining its relationship to the discipline of geography, detailing its aims, explaining its place in both formal and non-formal education, and considering what are its essential components. Geography is an important subject. Studying geography can help mankind to understand their world, country, environment and social interaction [2, 3].

In Indonesia, at elementary school and junior high school, geography is still integrated in social science subject. At Senior High School, especially in Social Science Program, geography becomes a specific subject. Achievement in studying geography influenced by some aspects, they are learning media, subject mastery and teacher's pedagogy, whether learning orientation aims to teacher or student and teacher's motivation [4, 5, 6].

Student's learning achievement is influenced not only by internal factor but also it is influenced by external factor. One of the external factors are student's accessibility to school. As reported by Lestari and Kusumo's research [7] the distance between student's house and school location influence student's learning achievement. It is because of student's mileage to school becomes longer. This situation makes student's learning duration lesser since it also influences on student's fatigue. Furthermore, similar to Lestari and Kusumo's report, Nomleni, et.al [8] also reported that there is a significant impact from student's house location, distance, parent's education-income and family members towards student's learning achievement in SMA Negeri 1 Kupang Tengah (Kupang Tengah 1 Public Senior High School).

Accessability also influences the distribution of goods and services, in particular the distribution of educational facilities. The distribution and use of facilities regulated by Ministry of Finance Regulation Nomor 96/pmk.06/2007 [9] on The Implementation method of Usage, Abolition and Trasnfer of State-Owned Property. In order to create an effective distribution, it needs to fulfill basic principles of distribution. There are some basic distribution principles that needs to be considered, they are, precision, rapidity, security and economy [10]

The distribution of information or facility in the schools that is close to downtown tends to be faster than the schools located far away from downtown. It will impact to the result of student's learning process, the students who study at the schools that is close to downtown should perform better than those students from the schools located far away from the downtown. The result of the National Exam among students in all Public Senior High Schools in Bangka Regency for geography subject in 2017 has showed a different result. Some students whose school located close to downtown (Sungailiat) shows lower National Exam score than those students whose schools located far away from downtown.

Some previous research focused on studying correlation between students' accessibility to their schools with students achievement, however there are no study on correlation between school distance and downtown towards students learning achievement. Therefore the writer is interested to study correlation between school distance to downtown and the National Exam score result on geography in 2017 at Public Senior High School in Bangka Regency.

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2. Method

This research is conducted in Bangka Regency. The research sampling is collected from all Public Senior High School in Bangka Regency, Bangka Belitung Island Province, the Republif of Indonesia. This research use a qualitative descriptive approach. The method of this research is documentation and literature study. The data of the National Exam score collected from the official website of Ministry of Education and culture. All data are processed, determined and analyzed by associating with the mileage between school and downtown.

3. Result and Discussion

Each Public Senior High School in every district within Bangka Regency has minimum 1 Public Senior High School and maximum 2 Public Senior High School. All districts in Bangka Regency are Sungailiat, Pemali, Merawang, Riau Silip, Bakam, Puding Besar, Belinyu, and Mendo Barat. The downtown in Bangka Regency is Sungiliat. The following table shows distance and mileage between the downtown (Sungailiat) and other districts in Bangka Regency.

Table 1: Distance and Mileage between the downtown (Sungailiat) and other Districts in Bangka Regency

	Pemali	**Merawang**	**Riau Silip**	**Bakam**	**Puding Besar**	**Belinyu**	**Mendo Barat**
Sungailiat	9,9 km	11,3 km	35,3 km	37,4km	41,4km	52,2km	57,2 km
Mileage	15 minutes	20 minutes	46 minutes	57 minutes	51 minutes	1 hour 10 minutes	1 hour 17 minutes

Source: Google Map Application, 2018.

Table 2: The Result of National Exam on Geography 2017 in all Public Senior High School in Bangka Regency

No	**Public School in Bangka Regency**	**Average national exam score on geography 2017**	**Remark**
1.	Bakam 1 Public Senior High School	49,33	
2.	Belinyu 1 Public Senior High School	66,67	
3.	SMA N 1 Mendo BaratPublic Senior High School	55,88	
4.	Mendo Barat 2 Public Senior High School	58,67	
5.	Pemali 1 Public Senior High School	52,18	
6.	Puding Besar 1 Public Senior High School	49,27	
7.	Puding Besar 2 Public Senior High School	-	New school
8.	Riau Silip 1 Public Senior High School	55,50	
9.	Sungailiat 1 Public Senior High School	68,00	
10.	Merawang 1 Public Senior High School	44,80	

Source: Ministry of Education and Culture, 2017.

Table 3: Distance between School and Downtown and the result of National Exam on Geography 2017 in Public Senior High School in Bangka Regency

	Sungailiat	**Pemali**	**Merawang**	**Riau Silip**	**Bakam**	**Puding Besar**		**Belinyu**	**Mendo Barat**	
Sungailiat	-	9,9 km	11,3 km	35,3 km	37,4 km	41,4km		52,2 km	57,2 km	
Mileage	-	15 minutes	20 minutes	46 minutes	57 minutes	51 minutes		1 hour 10 minutes	1 hour 17 menit	
National Exam Score	68,00	52,18	44,80	55,50	49,33	49,27	00,00	66,67	55,88	58,67
School	**Sungailiat 1 Public Senior High School**	**Pemali 1 Public Senior High School**	**Merawang 1Public Senior High School**	**Riausilip 1 Public Senior High School**	**Bakam 1 Public Senior High School**	**Puding Besar1 Public Senior High School**	**Puding Besar 2 Public Senior High School**	**Belinyu 1 Public Senior High School**	**Mendo Barat 1 Public Senior High School**	**Mendo Barat 2 Public Senior High School**

Source: Processedbythe Writer, 2018.

Table 1 shows the shortest distance from thedowntown is Pemali District. In Pemali Districtthere is 1 Public Senior High School, Pemali 1 Public Senior High School. The average of the National Exam score on geography in 2017at Pemali 1 Public Senior High School was 53,68. The furthest distance from the downtown (Sungailiat) is Mendo Barat District. In Mendo Barat District there are 2 Public Senior High Schools, they are Mendo Barat Public Senior High Schools 1 and 2. The average of the National Exam score on geography in 2017 at Mendo Barat 1 Public Senior High School was 47,56 and at Mendo Barat 2 Public Senior High School was 58,56. The following table 2 shows the average score of the National Exam on geography in all Public Senior High School in Bangka Regency.

Based on data showed on the table 2, it is observed that the average highest national exam score achieved by Sungailiat 1 Public Senior High School and the lowest score was Puding Besar 1 Public Senior High School. To analyze the correlation between school distance to downtown and the result of national exam, the following table 3 shows on school location distance, mileage and the average of national exam result on geography.

The result of the research shows that the school located in downtown has the highest national exam score on geography, however there is no positive correlation between mileage to school and student's achievement. Moreover, the mileage from school to the downtown does not show a positive correlation. Therefore it concludes that there is no correlation between school distance to downtown and the result of National Exam score on geography in 2017 in Public Senior High School in Bangka Regency.

This phenomenon caused by advanced technology that makes space and time become no longer obstacle, particularly in information technology. Moreover, students' achievement also influenced by some factors, as reported by Sudjana [11], according to him there are three aspects of learning quality that influence student learning achievement, they are, teacher's competency, class and school characteristic. Slameto [12] also added that, there are two factors that influence student learning process, they are internal and external factor of student. The student internal factors consisted by intellegence, passion, motives, attention, skill, maturity and readiness. The student external factors are family, school and society. These factors are assumed determining student's national exam score.

There some previous researches stated that there is an impact between mileage and student achievement, which is in contrast with this research. It is because of research region characteristics. The

previous research conducted in Kupang Tengah District that has tough topology, therefore student's accessibility to school becoming difficult. Meanwhile this research conducted in Bangka Regency. The topology of Bangka Regency is slightly flat, therefore it is more accessible.

4. Conclusion

Based on the research result data, it can be concluded that there is no correlation between school distanc and mileage to downtown and national exam score on geography 2017 in Public Senior High School in Bangka Regency.

5. Suggestion

In order to improve student learning achievement, the writer suggests for a further research on other factors that influence geography learning result in Bangka Regency.

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