Is online application-based transportation a means of supporting education?

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Abstract. This research is motivated by the importance of uncovering questions “is online application-based transportation a means of supporting education?” because of the development of public transportation in Indonesia is not just ordinary transportation but now has developed online application-based transportation. This online application-based transportation is widely used by the public for various purposes, including education. The research method used was a survey with questionnaire instruments to 477 respondents in several cities in West Java, Indonesia consisting of the high school students, the college students and the parents. Data processing was carried out in a qualitative descriptive. The results showed that most parents and almost half of the high school students and the college students stated that the online application-based transportation is a means of supporting education. From the results of this study, it can be concluded that half of the respondents said yes, and the other half stated no.

1. Introduction
Now the development of transportation is increasingly sophisticated, not just ordinary transportation but now has begun to develop online application-based transportation [1]. This online application-based transportation is booming in Indonesia and its type is much like GO-JEK, the Bojek, the Wheel Line, the Blu-Jek, the Transjek, the PRO-JEK, the TEKNOJEK, the Bangjek, Grab, etc. The GO-JEK is a pioneer of online transportation in Indonesia [2,3].

Figure 1. The example of an online-based transportation application.

This online application-based transportation is widely used by the public for various purposes, both for transporting people and for transporting goods. This transportation is also used for the education sector, for example, to deliver students or teachers to school.
When the transportation is used for educational purposes, it means that the transportation is a supporting education means. The educational facilities are not only school equipment or school buildings that are directly in contact with education, but also other facilities that can support the implementation of the education process, for example transportation.

But when this online application-based transportation is used to support the educational process, can it really be interpreted that transportation is an educational support facility? Through this research will revealed the public perceptions about the assumption that online application-based transportation can be declared as a means of supporting education. The problems in this study are formulated into the following question:

1. How are college student perceptions about the assumption that online application-based transportation a means of supporting education?
2. How are student perceptions about the assumption that online application-based transportation a means of supporting education?
3. How are parents perceptions about the assumption that online application-based transportation a means of supporting education?

2. Methods
The research method used is qualitative descriptive with survey as a data collection technique. The instrument used was a questionnaire involving 477 participants, consisting of 177 college students (38%), 150 students (31%), and 150 parents (31%) in West Java, Indonesia.

Data processing is done by calculating the answers given by participants in the questionnaire, then calculating the percentage by the answers obtained divided by the number of participants multiplied by 100. After obtaining a percentage number then interpreted based on the following interpretation table:

| %     | Interpretation           |
|-------|--------------------------|
| x = 0 | No one                  |
| 0 < x < 25 | Fraction               |
| 25 < x < 50 | Almost half            |
| x = 50 | Half                    |
| 50 < x < 75 | Most of the            |
| 75 < x < 100 | Almost entirely   |
| x = 100 | All of it               |

Figure 2. Percentage of participants in the study.
3. Results and Discussion

3.1. The College Student perceptions about the assumption that online application-based transportation a means of supporting education

This data was obtained from a questionnaire distributed to 177 college students in West Java, Indonesia. The results are as follows:

![Figure 3. The College student perceptions of online application-based transportation.](image)

Based on these data, 49% or almost half of the participants stated "yes" that online application-based transportation became an educational support facility, while the remaining (51%) states "No". Most of the participants stated that the presence of online transportation is a job for parents to pay for their children's schooling, as well as most participants said that this transportation helped them get to the place of learning, beneficial for students and parents, this is because this type of transportation has several advantages [4]. Thus the existence of this online application-based transportation contributes positively to the world of education, this is one of the benefits of technology. The technology can have a positive or negative effect [5].
3.2. The student perceptions about the assumption that online application-based transportation a means of supporting education

![Figure 4](image1.png)

**Figure 4.** The Student perceptions of online application-based transportation.

Based on these statistics it is known that almost half of the students stated "Yes, that the online application-based transportation has become a means of supporting education. Transportation is beneficial for them, because transportation is a very fundamental factor in human life [6] including for education affairs because it can access education places easily. Students who can use this transportation are those who have online transportation applications installed on mobile phones using the internet network. This is one of the benefits of mobile phones. Mobile phones can have a positive or negative impact [7,8]. Negative impacts from mobile phones are damaging to health [9], one of them is damaging brain tissue. Here’s a picture illustration of how mobile radiation can penetrate the brain [1].

![Figure 5](image2.png)

**Figure 5.** The mobile phone radiation penetrates the brain.
3.3. The parents perceptions about the assumption that online application-based transportation a means of supporting education

![Figure 6](image)

**Figure 6.** The parents perceptions of online application-based transportation.

From these data, it is known that most parents (58%) state "yes" that online application-based transportation is a means of supporting education, and the statement most often chosen by parents is “online application-based transportation is a job site for parents”, so they can pay for their children's schooling. It means that the existence of online transportation provides good benefits for the community. This is one of the benefits of internet use in the world of education, that the internet has made progress for the world of education [10]. Internet as a technology product has provided benefits in life [11,12]. Internet use is not always negative, but can also be positive [13]. The working process of the internet network on online applications on mobile phones can be described as follows

![Figure 7](image)

**Figure 7.** The working process of the internet network on online applications on mobile phones.
The internet is a computer network in the world that connects hundreds of thousands of networks. This network connects educational, commercial, non-profit and military entities, as well as individuals. Therefore the internet is called “the mother of all networks” [14].

4. Conclusion
From this study, it can be concluded that those who stated yes and no that online application-based transportation as a means of supporting education was balanced, the half of participant stated yes right and the other half stated no

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