Difficulties faced by automotive engineering students in online learning and solutions

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**Abstract**

Information and communication technology today has developed very rapidly, so that computers and the internet have become a necessity for everyone, especially for students. This technology is used to facilitate students in carrying out learning. However, there are many obstacles faced by students in internet-based learning (online learning). This study aims to identify the difficulties of automotive engineering students in implementing online learning and to provide alternative solutions to student difficulties in online learning. The research was conducted through online learning which was carried out for 7 weeks (7 times online learning). At the end of the lesson an evaluation of the learning outcomes and difficulties faced by students is conducted. These difficulties are then analyzed to provide alternative online learning solutions so that learning objectives can be achieved. The results showed that most students faced many difficulties in online learning, but not always from an academic perspective, technical matters were the problems faced by many students.