

**UNIVERSITI TEKNOLOGI MARA**

**STUDENTS RESPONSE SYSTEM USING  
SMARTPHONE FOR THINK-PAIR-SHARE  
TECHNIQUE**

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## ABSTRACT

Generally, national school nowadays each classroom will consist of 30 to 40 students. Integrating cooperative learning in education is the most frequently imply. Cooperative learning strategy is a learning process that will involve a group of students to work together on completing a task. However, recent studies indicate that students are more self reserved, therefore active learning is rarely happen. Students that willingly participate during lesson will only be a few students and occasionally the same person who is always engaged and eager with the lesson. By addressing this concern, using think-pair-share in-class measurement and assessment of student understanding which can be automatically viewed during teaching and learning process has been introduced. This is based on a client-server application using the think-pair-share strategy with Smartphone as the client. The development of technology improve think-pair-share strategy may also enhance student socialization processes through interaction between students while strengthen their cognitive and effective domain. Encouraging result has been obtained during the experiment. Think-pair-share strategy has improved students marks by 15% to 45.71% during pair assessment compare to only 30% individual thinking for answering the question. Further improve result of assessment is obtain when the question is share with the whole class which is 70%.

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