

Smartphones in agricultural education: utilization, impact and learning outcomes

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ABSTRACT

This paper examines the utilization and impact of smartphones on students' learning activities within the context of agriculture education. Smartphones have transformed agricultural education by offering immediate access to information, engaging learning experiences, and avenues for cooperation. The research investigates the frequency of smartphone utilization among agricultural students and evaluates its effect on academic performance. It examines the variety of agricultural educational applications and materials accessible on smartphones, emphasizing their efficacy in improving agricultural education. The study recognizes potential obstacles such as diversions, reliance on technology, and data privacy issues. The paper presents rules for appropriate smartphone usage and offers recommendations for future advancements in smartphone-based agriculture education. This research, based on surveys and observational studies, investigates how smartphones enhance learning for educational purposes, the problems they provide, and their overall impact on student engagement and academic achievement, with 92% of participants use them for this reason.

Keywords: *Agricultural education, Learning activities, Students and Smartphones*