

ABSTRAK
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Technological Pedagogical And Content Knowledge (TPACK) learning is a learning framework that integrates technology knowledge with a blend of content knowledge and pedagogy in a particular context, learning and teaching. This learning process uses e-learning and blended learning methods. Measurements were made through pretest, as well as posttest-1 and posttest-2. Pretset is done before learning treatment, while posttest-1 is done after e-learning treatment and posttest-2 is done after e-learning learning. Determination of the increase in learning outcomes of e-learning is done by calculating the difference between the score of pretest and posttest-1, while the increase in learning outcomes of blended learning is the difference in score of pretest and posttest-2. This study aims to obtain information about the comparison of the effectiveness of e-learning learning methods and blended learning as elements of the TPACK framework component, in improving student learning outcomes on the subject matter of Kingdom Monera. This research was conducted at Bandung National High School with results. There were significant differences in comparison of students' learning outcomes between learning outcomes with e-learning and blended learning methods, with better categories on learning outcomes with blended learning methods.

Keywords: TPACK, Learning Management System, Interactive Multimedia, E-Learning, and blended learning.