

## ABSTRAK

**Esti Wahyu. 2020. Menumbuhkan Motivasi Belajar Mahasiswa pada Materi Prinsip Segiempat Menggunakan Aplikasi Blippar Melalui Model *Attention, Relevance, Confidence, Satisfaction* (ARCS) dengan Pendekatan Paradigma Pedagogi Reflektif (PPR). Skripsi. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.**

Penelitian ini bertujuan untuk mengembangkan desain pembelajaran menggunakan aplikasi Blippar, menilai tingkat motivasi belajar, dan menilai aspek 3C (*competence, conscience, compassion*) mahasiswa dengan model ARCS melalui pendekatan PPR pada materi prinsip segiempat.

Penelitian ini merupakan penelitian pengembangan dengan metode *analysis, design, development, implementation, evaluation* oleh Branch (2009). Subjek penelitian ini yaitu mahasiswa Pendidikan Matematika 2018B yang berjumlah 35 mahasiswa pada mata kuliah Pembelajaran Matematika SMP. Teknik pengumpulan data yang digunakan yaitu tes tertulis, kuesioner, dan wawancara.

Hasil penelitian menunjukkan bahwa desain pembelajaran yang dikembangkan sudah sesuai rancangan dan kebutuhan mahasiswa. Pembelajaran dengan aplikasi Blippar dapat memberikan suasana baru, pembelajaran lebih interaktif, tidak monoton atau membosankan, memudahkan mahasiswa dalam memahami materi, dan menumbuhkan motivasi belajar. Berdasarkan hasil kuesioner, tingkat motivasi belajar mahasiswa menggunakan aplikasi Blippar sebesar 79.11% (3.16). Aspek *competence, conscience, compassion* mahasiswa juga dinilai oleh peneliti melalui hasil ujian, hasil lembar kerja mahasiswa, dan hasil refleksi. Penilaian aspek *competence* sebesar 77.14% mahasiswa lulus dalam pembelajaran prinsip segiempat, penilaian aspek *conscience* untuk sikap tanggung jawab sebesar 94.29% dan teliti sebesar 65.71% mahasiswa, serta penilaian aspek *compassion* untuk sikap kerjasama sebesar 85.71% dan toleransi sebesar 68.57% mahasiswa.

Kata kunci: aplikasi Blippar, motivasi, ARCS, PPR, *competence, conscience, compassion*, pembelajaran materi prinsip segiempat, ADDIE.

## ABSTRACT

*Esti Wahyu. 2020. The Use of Blippar to Foster Undergraduates' Motivation in Learning Quadrilateral Principles through ARCS Method (Attention, Relevance, Confidence, Satisfaction) With PPR Approach. Mathematics Education Study Program, Departement of Mathematics and Natural Sciences Education, Teacher Training and Education Faculty, Sanata Dharma University, Yogyakarta.*

*This research aimed to develop a learning design with using Blippar application, to assess learning motivation level, and to evaluate 3C (competence, conscience, compassion) of undergraduate students through ARCS method (attention, relevance, confidence, satisfaction) with PPR (paradigma pedagogi reflektif) approach on quadrilateral principles.*

*The research was development research following analysis, design, development, implemmentation, and evaluation method by Branch (2009). Thirty-five undergraduate students of Math Education Study Program batch 2018 class B who took mathematics learning for high school courses became the subjects of this research. The research data were collected through written tests, questionnaires, and interviews.*

*The results showed that the design that used Blippar application ran well based on the plan and became the solution for students' needs. The developed design provided a brand new learning situation, offered interactive learning, helped the students understand the materials, and fostered their learning motivation. According to the questionnaire, the motivation level of the students was 79.11% (3.16). Related to competence, conscience, and compassion owned by the students, the researcher gathered the data from examination result, result from exercises and from students' reflection with details: (1) on competence aspect, 77.14% students passed the course, (2) on conscience aspect, 94.29% students were responsible and about 65.71% students were thorough, and (3) on compassion aspect, 85.71 students could work collaboratively and 68.57% students were tolerance.*

*Keywords: Blippar application, motivation, ARCS, PPR, competence, conscience, compassion, quadrilateral principles, ADDIE.*