

ABSTRAK

DESAIN PROJECT BASED LEARNING TERINTEGRASI STEMM PADA KOMPETENSI KEAHLIAN AGRIBISNIS TERNAK RUMINANSIA UNTUK MENINGKATKAN KEMAMPUAN BERWIRAUSAHA SISWA SMK NEGERI UNGGUL TERPADU

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Penelitian ini merupakan penelitian yang dilakukan dengan metode penelitian pengembangan, bertujuan untuk menganalisis potensi dan kondisi, karakteristik, keterlaksanaan, kemenarikan, aktifitas siswa, dan efektifitas penggunaan *Desain Project Based Learning* Terintegrasi STEMM pada Kompetensi Keahlian Agribisnis Ternak Ruminansia untuk meningkatkan kemampuan berwirausaha siswa SMK Negeri Unggul Terpadu tahun pelajaran 2021/2022. Teknik pengumpulan data dengan angket dan observasi. Hasil produk berupa pengembangan desain *Project Based Learning* Terintegrasi STEMM dilengkapi dengan Sintaks, Silabus, RPP dan LKPD. Hasil validasi ahli materi untuk kelayakan desain *project based learning* terintegrasi STEMM memperoleh hasil 96% (layak digunakan), hasil validasi oleh ahli media/desain memperoleh hasil rata-rata 93,5 % (layak digunakan), hasil uji validasi ahli bahasa memperoleh hasil rata-rata 92,5 % (layak digunakan). Ujicoba produk terhadap keterlaksanaan desain sebesar 92 % (dapat dipergunakan) dan respon peserta didik terhadap kemenarikan desain sebesar 100 % (menarik). Hasil Rata-rata *N-Gain Score* menunjukkan Desain *Project Based Learning* terintegrasi STEMM efektif untuk meningkatkan kemampuan berwirausaha siswa di kompetensi keahlian agribisnis ternak ruminansia SMK Negeri Unggul Terpadu.

Kata kunci : STEMM, kemampuan berwirausaha, *project based learning*, agribisnis ternak ruminansia, desain pembelajaran

ABSTRACT

PROJECT-BASED LEARNING DESIGN INTEGRATED STEMM ON THE COMPETENCE OF AGRIBISNIS TERNAK RUMINANSIA EXPERTISE TO IMPROVE THE ENTREPRENEURIAL ABILITY OF STUDENTS OF SMK NEGERI UNGGUL TERPADU

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This research is a research conducted with a development method that aims to analyze the potential and conditions, characteristics, implementation, attractiveness, student activities, and the effectiveness of the use of STEMM Integrated Project Based Learning Design on the Competence of Agribisnis Ternak Ruminansia Expertise to Improve the Entrepreneurial Ability of SMK Negeri Unggul Terpadu Students for the 2021/2022 Academic Year. Data collection techniques with questionnaires and observations. The product results in the form of design development equipped with syntax, Silabus, RPP and LKPD. The results of material expert validation for STEMM integrated project-based learning design obtained 90.5% results (feasible to use), material expert validation results for entrepreneurial ability instruments obtained an average result of 86% (feasible to use), validation results by media / design experts obtained an average result of 93.5% (feasible to use), the results of the linguist validation test obtained an average result of 85% (feasible for use). Product trials on learners get an average of 100% (attractive). The average N-Gain Score results show that the STEMM integrated Project Based Learning Design is effective for improving students' entrepreneurial skills in the Agribisnis Ternak Ruminansia Expertise Competence of SMK Negeri Unggul Terpadu.

Keywords: STEMM, entrepreneurial ability, project based learning, ruminant livestock agribusiness, learning design