

## ABSTRAK

**Indra Achdi Nainggolan : Pengembangan Modul Pembelajaran Perencanaan Bisnis Konstruksi dan Properti Siswa BKP Kelas XI di SMK Negeri 1 Percut Sei Tuan Sebagai Media Belajar Mandiri. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2022**

Penelitian ini dilakukan berdasarkan kurangnya pemahaman peserta didik pada mata pelajaran Perencanaan Bisnis Konstruksi dan Properti dan minimnya bahan ajar terutama berbasis modul pada proses pembelajaran siswa kelas XI BKP di SMK Negeri 1 Percut Sei Tuan. Penelitian ini bertujuan untuk : (1) Mendapatkan hasil belajar pada mata pelajaran Perencanaan Bisnis Konstruksi dan Properti, (2) mendapatkan referensi bahan ajar pada mata pelajaran Bisnis Konstruksi dan Properti, (3) mengetahui prosedur pengembangan modul pembelajaran perencanaan Bisnis Konstruksi dan Properti dan menilai kelayakan modul berdasarkan ahli media, ahli bahasa, guru mata pelajaran dan peserta didik kelas XI BKP. Penelitian ini menggunakan metode *Research and Development (R&D)* dengan model 4D meliputi tahapan pendefinisian (*Define*), perancangan (*Design*), pengembangan (*Development*), dan penyebaran (*Disseminate*). Instrument yang digunakan pada penelitian ini adalah angket. Angket digunakan untuk menguji kelayakan modul melalui validasi dari ahli media, ahli materi, guru mata pelajaran dan pengguna. Validasi yang didapat skor akumulasi sebesar 87,63% dengan rincian ahli media memberikan skor 89,9%, ahli materi memberikan skor 77,84%, guru mata pelajaran memberikan skor 94,4%, dan akumulasi 27 orang pengguna memberikan skor 88,41%. Berdasarkan penilaian para ahli dan uji coba kepada pengguna maka dapat disimpulkan bahwa modul pembelajaran Perencanaan Bisnis Konstruksi dan Properti yang telah dikembangkan layak untuk digunakan.

**Kata Kunci** : Modul, *Research and Development (R&D)*, Perencanaan Bisnis Konstruksi dan Properti, 4D

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## ABSTRACT

**Indra Achdi Nainggolan : Development of Learning Module for Construction and Property Business Planning for Class XI BKP Students at SMK Negeri 1 Percut Sei Tuan As an Independent Learning Media. Scription. Faculty of Engineering, State University of Medan. 2022**

This research was conducted based on the lack of understanding of students on the subject of Construction and Property Business Planning and the lack of teaching materials, especially module based in the learning process of class XI BKP students at SMK Negeri 1 Percut Sei Tuan. This research aims to : (1) Get learning outcomes in the subjects of Construction and Property Business Planning, (2) get references for teaching materials on the subject of Construction and Property Business (3) know the procedure for developing the Construction and Property Business planning learning module and assessing the feasibility of the module based on media experts, linguists, subject teachers and students of class XI BKP. This study uses the Research and Development (R&D) method with the 4D model includes the stages of definition (Define), design (Design), development (Development), and dissemination (Disseminate). The instrument used in this research is a questionnaire. Questionnaires are used to test the feasibility of the module through validation from media experts, material experts, subject teachers and users. The validation obtained an accumulation score of 87.63% with details of media experts giving a score of 89.9%, material experts giving a score of 77.84%, subject teachers giving a score of 94.4%, and the accumulation of 27 users giving a score of 88.41 %. Based on expert assessments and user trials, it can be concluded that the Construction and Property Business Planning learning module that has been developed is feasible to use.

**Keywords:** Module, Research and Development (R&D), Construction and Property Business Planning, 4D

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