

ABSTRAK

Tujuan dari penelitian pengembangan ini untuk mengembangkan bahan ajar berupa Lembar Kerja Siswa berbasis *discovery learning* pada materi algoritma pemrograman yang valid dan praktis. Subjek penelitian ini adalah kelas X SMK Tarbiyatul Banin Banat. Jenis penelitian ini menggunakan metode R&D (Research and Development) dengan model 4D (Define, Design, Develop dan Disseminate). Hasil penelitian menunjukkan bahwa: (1) Hasil kevalidan media yang dilakukan oleh 3 validator yaitu validasi ahli media memperoleh 91%, ahli materi memperoleh 82% dan ahli desain pembelajaran memperoleh 91,4% dari ketiga validasi dirata-rata memperoleh presentase sebesar 88,1% dengan kriteria sangat valid; (2) Hasil kepraktisan media penilaian oleh guru memperoleh presentase sebesar 92,8% dan penilain siswa memperoleh presentase sebesar 84,8% dari kedua penilaian dirata-rata memperoleh presentase sebesar 88,8% dengan kriteria sangat praktis. Berdasarkan hasil tersebut, maka dapat disimpulkan bahwa media pembelajaran lembar kerja siswa (lks) berbasis *discovery learning* yang dikembangkan dengan kriteria valid dan praktis sehingga layak digunakan dalam pembelajaran.

Kata Kunci: Lembar Kerja Siswa, *Discovery Learning*, Algoritma Pemrograman.

ABSTRACT

The purpose of this development research is to develop teaching materials in the form of student worksheets based on discovery learning on valid and practical programming algorithm materials. The subject of this research is class X SMK Tarbiyatul Banin Banat. This type of research uses the R&D (Research and Development) method with a 4D model (Define, Design, Develop and Disseminate). The results of the study show that: (1) The results of the media validity carried out by 3 validators, namely the validation of media experts obtained 91%, material experts obtained 82% and learning design experts obtained 91.4% of the three validations on average obtaining a percentage of 88.1 % with very valid criteria; (2) The results of the practicality of the assessment media by the teacher obtained a percentage of 92.8% and student assessments obtained a percentage of 84.8% from the two assessments on average getting a percentage of 88.8% with very practical criteria. Based on these results, it can be concluded that discovery learning-based student worksheets (lks) were developed with valid and practical criteria so that they are suitable for use in learning.

Keywords: *Student Worksheet, Discovery Learning, Programming Algorithm.*