

ABSTRAK

Ketersediaan media pembelajaran sangat penting dalam mencapai pembelajaran yang efektif dan memenuhi kompetensi inti mata pelajaran ilmu pengetahuan alam. Dalam pemenuhan tersebut dibutuhkan kegiatan praktikum dan media penunjang dalam kegiatan praktikum. Berdasarkan analisis kebutuhan media disimpulkan pengembangan panduan praktikum berbasis inkuiri terbimbing pada materi struktur dan fungsi jaringan tumbuhan. Tujuan penelitian ini adalah untuk mengetahui: 1) Bagaimana validitas panduan praktikum berbasis inkuiri terbimbing; 2) Bagaimana praktikalitas panduan praktikum berbasis inkuiri terbimbing; dan 3) Bagaimana efektifitas panduan praktikum berbasis inkuiri terbimbing. Penelitian ini merupakan penelitian *research and development* (R&D) dengan desain pengembangan ADDIE (*Analayz, Desing, Devlopment, Implementation and Evaluation*). Populasi dalam penelitian ini seluruh peserta didik kelas VIII A SMP Negeri 5 Air Sugihan dengan tehnik sampling yang digunakan yaitu *purposive sampling*. Analisis data validitas dan praktikalitas menggunakan angket dari skala Likert dan efektifitas menggunakan perbandingan hasil *pree test* dan *post test*. Berdasarkan hasil validasi diperoleh persentase ahli media 96,3% dengan kriteria sangat valid, ahli materi 99% dengan kriteria sangat valid, ahli Bahasa 96,6% dengan kriteria sangat valid dan ahli perangkat pembelajaran 61,8% dengan kriteria valid. Hasil penilaian praktisi lapangan diperoleh rata-rata respon semua aspek yaitu 4,42 sehingga disimpulkan memenuhi kategori praktis. Hasil persentase perbandingan *pree test* dan *post test* menunjukkan 100% berada pada kategori sangat efektif sehingga memenuhi kategori keefektifan dan layak digunakan untuk meningkatkan hasil belajar peserta didik.

Kata Kunci: Media Pembelajaran, Panduan Praktikum, Inkuiri Terbimbing, Struktur dan Fungsi Jaringan Tumbuhan

ABSTRACT

The availability of learning media is very important in achieving effective learning and fulfilling the core competencies of natural science subjects. To fulfill this, practicum activities and supporting media are needed in practicum activities. Based on the analysis of media needs, it was concluded that the development of a guided inquiry-based practicum guide on the structure and function of plant tissue material. The aim of this research is to find out: 1) How valid is the guided inquiry-based practicum guide; 2) What is the practicality of guided inquiry-based practicum guides; and 3) How effective is the guided inquiry-based practicum guide. This research is research and development (R&D) research with the ADDIE (Analayz, Design, Devlopment, Implementation and Evaluation) development design. The population in this study were all students in class 8th A of SMP Negeri 5 Air Sugihan with the sampling technique used, namely purposive sampling. Validity and practicality data analysis uses a questionnaire format from a Likert scale and effectiveness uses a comparison of pre-test and post-test results. Based on the validation results, a percentage of media experts was obtained 96.3% with very valid criteria, 99% material experts with very valid criteria, 96.6% linguists with very valid criteria and 61.8% learning device experts with valid criteria. The results of the field practitioner assessment obtained an average response for all aspects, namely 4.42, so it was concluded that it met the practical category. The percentage results of the pre-test and post-test comparison show that 100% is in the very effective category so that it meets the effectiveness category and is suitable for use to improve student learning outcomes.

Keywords: Learning Media, Practical Guide, Guided Inquiry, Structure and Function of Plant Tissues