

ABSTRAK

Ade Widiandari, Luh (2019), Pengembangan Buku Ajar Kimia Berbasis Studi Kasus untuk Meningkatkan Hasil Belajar Siswa. Tesis, Pendidikan IPA, Program Pascasarjana, Universitas Pendidikan Ganesha.

Tesis ini sudah disetujui dan diperiksa oleh Pembimbing I: Prof. Dr. I Wayan Redhana, M.Si., dan Pembimbing II: Dr. A.A. Istri Agung Rai Sudiatmika, M.Pd.

Kata-kata kunci:

buku ajar, hasil belajar, studi kasus.

Penelitian ini bertujuan mendeskripsikan karakteristik, kevalidan, kepraktisan, dan keefektifan buku ajar kimia berbasis studi kasus. Jenis penelitian ini adalah penelitian dan pengembangan dengan mengadopsi model 4-D oleh Thiagarajan. Tahap penelitian yang dilakukan sampai tahap pengembangan yaitu kevalidan, kepraktisan, dan keefektifan. Desain penelitian menggunakan *one group pretest-posttest*. Teknik analisis data menggunakan statistik deskriptif untuk data kevalidan, kepraktisan, dan keefektifan buku ajar. Produk penelitian berupa buku ajar kimia berbasis studi kasus kelas XI semester II. Data hasil penelitian meliputi data hasil analisis kebutuhan (studi literatur dan studi lapangan), data hasil perencanaan produk, data hasil kevalidan, data hasil kepraktisan, dan keefektifan buku ajar kimia. Hasil penelitian menunjukkan bahwa 1) karakteristik buku ajar yang dikembangkan menyajikan kasus-kasus yang terkait dengan materi kimia, 2) kevalidan buku ajar yang dikembangkan mendapat kategori sangat valid dari segi isi dan media, 3) tingkat kepraktisan buku ajar yang dikembangkan tergolong sangat praktis, 4) buku ajar yang dikembangkan efektif meningkatkan hasil belajar siswa dilihat dari hasil uji proporsi satu sampel sebesar 0,86 dan didukung oleh *gain score* ternormalisasi sebesar 0,59 (kategori sedang).

ABSTRACT

Ade Widiandari, Luh (2019), Development Of Chemistry Textbooks Based On Case Study To Improve Students Learning Outcome.

This thesis has been supervised and approved by Supervisor I: Prof. Dr. I Wayan Redhana, M.Si., and Supervisor II: Dr. A.A. Istri Agung Rai Sudiarmika, M.Pd.

Keywords:

case study, learning book, learning outcomes

This study aimed to describe the characteristics, validity, practicality, and effectiveness of case study based chemistry textbooks. This type of research is research and development by adopting a 4-D model by Thiagarajan. The research phase carried out is until develop step, namely validity, practicality, and effectiveness. The study design used one group pretest-posttest. Data analysis techniques used descriptive statistics for validity, practicality, and effectiveness of textbooks. The research product was in the form of chemistry textbooks based on case studies of class XI semester II. Research data includes needs analysis data (literature studies and field studies), product planning results data, validity results data, practicality results data, and effectiveness of chemistry textbooks. The results of the study showed that 1) the characteristics of the textbooks developed presented cases related to chemical materials, 2) the validity of the textbooks that were developed received very valid categories in terms of content and media, 3) the practicality of the textbooks developed that were very practical, and 4) the textbooks developed were effective in improving student learning outcomes viewed from the test results of the proportion of one sample amounted to 0.86 and supported by a normalized gain score of 0.59 (medium category).