ABSTRAK

Andi Rohandi: "Pengembangan Bahan Ajar Berbasis *Argument-Driven Inquiry* (ADI) Pada Materi Plantae" (Penelitian *Research and Development* (R&D) pada Siswa kelas X di MA Ar – Rosyidiyah Bandung).

Pelaksanaan pembelajaran harus ditunjang oleh ketersediaan komponen belajar, salah satunya ialah bahan ajar. Bahan ajar diperlukan untuk menunjang dan memfasilitasi kegiatan pembelajaran yang dilakukan oleh guru dan siswa sehingga dapat mencapai tunjuan pembelajaran. Agar dihasilkan produk bahan ajar yang baik maka perlu dilakukan pengembangan bahan ajar.

Tujuan penulisan ini ialah mengembangkan bahan ajar berbasis *Argument-Driven Inquiry* (ADI) pada materi plantae, sehingga dihasilkan bahan ajar yang valid.

Metode penulisan yang digunakan ialah *Research and Development* (R&D) melaui tahapan *define, design,* dan *development* (3-D). Adapun instrumen yang digunakan dalam proses pengumpulan data ialah lembar uji validasi bahan ajar berbasis ADI, tes keterampilan argumentasi, dan angket respon siswa terhadap bahan ajar berbasis ADI.

Hasil penulisan menyatakan bahwa bahan ajar berbasis ADI yang telah dikembangkan dikategorikan valid dengan perolehan persentase aspek kelayakan isi sebesar 76%, aspek penyajian 75%, aspek kebahasaan 87%, dan aspek kegrafikan 76%, maka keseluruhan yang diperoleh sebesar 77%. Analisis ketercapaian indikator keterampilan argumentasi, diperoleh hasil untuk indikator *claim* sebesar 100% yang berarti seluruh siswa menyajikan *claim* pada setiap jawaban. Selanjutnya indikator *data* diperoleh hasil 54%, indikator *warrant* 36%, indikator *backing* 31%, indikator *qualifier* 56%, dan indikator *rebuttal* 31%. Secara keseluruhan, persentase ketercapaian indikator argumentasi ialah 51% yang terkualifikasi "sedang". Respon siswa terhadap bahan ajar berbasis ADI terkualifikasi sedang dengan mendapatkan nilai 3,10.

Kata Kunci: Pengembangan, Bahan Ajar, Model ADI, Plantae

ABSTRACT

Andi Rohandi: "The Development of Argument-Driven Inquiry (ADI) Teaching Materials on Plantae Material" (Research and Development (R&D) for Class X Students at MA Ar - Rosyidiyah Bandung).

The implementation of learning must be supported by the availability of learning components, one of which is teaching materials. Teaching materials are needed to support and facilitate learning activities carried out by teachers and students so that they can achieve learning objectives. In order to produce good teaching material products, it is necessary to develop teaching materials.

The purpose of this paper is to develop based teaching materials *Argument-Driven Inquiry* (ADI) on plantae material, so that valid teaching materials are produced.

The writing method used is *Research and Development* (R&D) through the stages of define, design, and development (3-D). The instruments used in the data collection process were the ADI-based validation test sheet, the argumentation skill test, and the student response questionnaire to ADI-based teaching materials.

The results of the writing state that the ADI-based teaching materials that have been developed are categorized as valid with the acquisition of a percentage of the content feasibility aspect of 76%, the presentation aspect of 75%, the linguistic aspect of 87%, and of the 76% of the graphic aspects, so the overall obtained is 77%. Analysis of the achievement of the argumentation skills indicators, the results obtained for the indicators *claim* equal to 100%, which means that all students present a claim for each answer. Furthermore, the data indicators obtained 54% results, 36% warrant indicators, 31% backing indicators, 56% qualifier indicators, and 31% rebuttal indicators. Overall, the percentage of achievement of the argumentation indicator is 51% who qualify as "medium". Student responses to ADI-based teaching materials are moderately qualified with a score of 3.10.

Keywords: ADI Models, Development, Teaching Materials, Plantae