

THE DEVELOPMENT OF THE THEMED CHEMISTRY VIDEO BROADCAST (CHEMVIDCAST) BASED ON SCIENTIFIC SOCIAL ISSUES AS CHEMISTRY LEARNING E-MEDIA IN HIGH SCHOOL

by Sukisman Purtadi, Rr. Lis Permana Sari, Dina

ABSTRACT

A study has been carried out aimed at determining 1) the characteristics of the thematic ChemVidcast (Chemistry Video Broadcast) based on Socio-Scientific Issues (SSI) as an E-media in Chemistry Learning, and 2) the feasibility of the thematic ChemVidcast (Chemistry Video Broadcast) based on Socio-Scientific Issues (SSI) As E-media in Chemistry Learning. In line with these objectives, this study was conducted as a design based research consisting of four stages. The instrument used in this research is a needs assessment questionnaire and product of the development assessment. All instruments were validated using content validation. The subject of this research is chemvidcast product in the form of a video. The object of this research is the feasibility of chemvidcast to be used as an e-media for chemical literacy aspects of socio-scientific issues. This study resulted nine chemvidcast videos uploaded on YouTube. Chemvidcasts are chats (interview) video with an experts discussing each defined theme. This video has duration of 15 – 22 minutes. Based on the assessment of teachers and chemistry teachers candidates, the chemvidcast can be used in terms of material and media aspects. Students feel that chemvidcast is an interesting media and want to use it in their learning. The contents of the argumentation are also discussed

Kata Kunci: *learning resources video, chemvidcast, e-media, SSI, chemical literacy*