

## ABSTRACT

*Media has important role in learning. Media can be sourced from biodiversity biodiversity in the environment that is arranged more interesting and in accordance with the needs of students in the form of an encyclopedia. Learners in the form of an encyclopedia. This study aims to determine the insect pests that destroy the stems and leaves of robusta coffee plants (Coffea canephora) and the validity of encyclopedia media on biodiversity material. Biodiversity based on the results of identification of insect pests that destroy the stems and leaves of stems and leaves of robusta coffee (Coffea canephora) in Tanjung Agung Village, Muara Enim Regency. Research method this research method uses Research and Development with 4D development model (Define, Design, Develop and Disseminate) which is limited to the development stage (Develop). The results of the identification of insect pests that destroy the stems and leaves of robusta coffee plants (Coffea canephora) can be as many as 2 orders of 5 species, namely Planococcus citri (dompolan flea), Coccus viridis (green flea), Aphis gossypii (aphid), Acanalonia conica (leafhopper), and Luperus flavipes (leaf beetle). Assessment of the validity of the encyclopedia of biodiversity by the material experts obtained a percentage of 95%, media experts of 94.11%, and linguists of 90% with a very valid category. The average validation results from the three validators were 93% with a very valid category. So it was concluded that the development of the encyclopedia is categorized as very valid, but this encyclopedia media is not yet practical for students to use during class learning activities students during class learning activities.*

**Keywords:** *encyclopedia, identification, development, insect pests*