

**ANALYSIS OF LEARNING MEDIA : MEDIA USAGE IN BIOLOGY  
LEARNING AND PERCEPTION ON NON-ICT BIOLOGY LEARNING  
MEDIA FROM BIOLOGY DEPARTMENT AT STATE UNIVERSITY OF  
MEDAN WITH ITS SUITABILITY OVERVIEW ON CURRICULUM 2013**

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**ABSTRACT**

This research aimed to study the perceptions towards Non ICT Biology learning media (NICTBlm) created by Undergraduate and Postgraduate students in Biology Department at State University of Medan from Learning Media Development course and to provide its overview based on National Curriculum of 2013 (K13). The method used is purposive sampling with quantitative analysis. Population in this research is MAN Senior High School. From each school of MAN 1, MAN 2 Model, and MAN 3 Medan, 1 class represented grade X, XI, and XII following respective biology teacher taken as sample. Total of 9 biology teachers with 341 students have participated in this research. Research instruments used were questionnaire and interview with printed Catalog of NICTBlm as overview medium. Prior to the absence of indexation guide specialized for NICTBlm, researcher modified herbarium indexation guide for documenting purpose of NICTBlm collections. Findings from this study are; (1) The suitability overview for K13 in grade X considered highly suitable (83%), fairly suitable in grade XI (75%), and inadequately suitable in grade XII (58%); (2) Substantial recommendation for NICTBlm improvements including: sturdy built materials, user manual, topic comprehension in addition to attractive learning media visual, and enrichment in biology topic variations; (3) Despite novelty of NICTBlm study in educational research, immense interest noted from both teachers and especially students with substantial recommendation as indication. Kinesthetical sensations, multisensory learning experiences, and dimensional feature are excellences factors from NICTBlm reflected from teachers' review, students' response, and related research which therefore further study of NICTBlm suggested.

**Keywords:** *Non ICT biology learning media, perception, Curriculum of 2013, catalog, kinesthetic experience, multisensory learning.*

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