

## ABSTRACT

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*In the world of education Biological Sciences in this particular field is related about the world of plants, there is a learning process that observes the characteristics of these plants and learn about the stages of plant growth, but there are many obstacles that often become a bottleneck of students to understand the material and practice done , Limitations of learning media and materials as well as the lack of student motivation in the process of learning a constraint students to understand the material being taught. In this thesis the author will make an application kingdom Plantae or learning about the world of plants that can be a tool to support the teaching and learning process. Applications are made by blending multimedia-based learning material with multimedia aspects such as image, animation, video, sound, and illustrations. Application of Learning About the Kingdom Plantae this could be a tool to support the learning process. This application is able to demonstrate the material by empowering multimedia features as support learning materials. This application can be used to do how to know the characteristics of plants, plant life cycles, classification of plants and the role of plants. This application can be used as a companion study independently. Application development method used is ADDIE (Analyze, Design, Development, Implementation and Evaluation). While the tools used for application development is Adobe Flash CS6 as a processor, animation, Adobe Photoshop CS6 as image processing.*

*Keywords: Kingdom Plantae, Bryophyta, Pteridophyta, Spermatophyta, Flash.*