

## ABSTRAK

**Edwin Rejeki Nababan, NIM 4193141037 (2023). Pengembangan Media Pembelajaran Berbasis Android Materi Struktur dan Fungsi Sel Tumbuhan Pada Mahasiswa Biologi Universitas Negeri Medan**

Penelitian ini dilakukan untuk menghasilkan produk berupa media pembelajaran berbasis android dengan bantuan aplikasi iSpring suite 10 dan Website 2 Apk Builder yang memenuhi kriteria kelayakan kategori valid atau layak berdasarkan tanggapan para ahli materi, media, desain pembelajaran, dosen dan mahasiswa. Desain penelitian ini diadaptasi dari model pengembangan 4D (*Define, Design, Development dan Disseminate*). Hasil Penelitian berupa media pembelajaran berbasis android disebarkan kepada sampel penelitian yaitu PSPB 2021 D dengan jumlah 30 orang mahasiswa dengan kelayakan materi sebesar 89,5%, kelayakan media sebesar 92,6%, kelayakan desain pembelajaran sebesar 98,6%, respon dosen sebesar 92,4 dan respon mahasiswa sebesar 92%. Ketuntasan klasikal hasil belajar mahasiswa pada penyebaran yang dilakukan masuk kedalam kategori tuntas dengan persentase rata-rata sebesar 84,16%.

**Kata Kunci** : Pengembangan, Media Pembelajaran, Struktur dan Fungsi Sel Tumbuhan



## **ABSTRACT**

**Edwin Rejeki Nababan, NIM 4193141037 (2023). Development of Android-Based Learning Media Material Structure and Function of Plant Cells in Biology Students, Medan State University**

This research was conducted to produce products in the form of Android-based learning media with the help of the iSpring suite 10 application and Website 2 Apk Builder which meet the eligibility criteria of valid or feasible categories based on the responses of material experts, media, learning design, lecturers and students. This research design was adapted from the 4D development model (Define, Design, Development and Disseminate). The research results in the form of android-based learning media were distributed to the research sample, namely PSPB 2021 D with a total of 30 students with material eligibility of 89.5%, media feasibility of 92.6%, learning design feasibility of 98.6%, lecturer response of 92.4 and the student response was 92%. The classical completeness of student learning outcomes in the distribution carried out is included in the complete category with an average percentage of 84.16%.

**Keywords:** Development, Learning Media, Structure and Function of Plant Cells

