

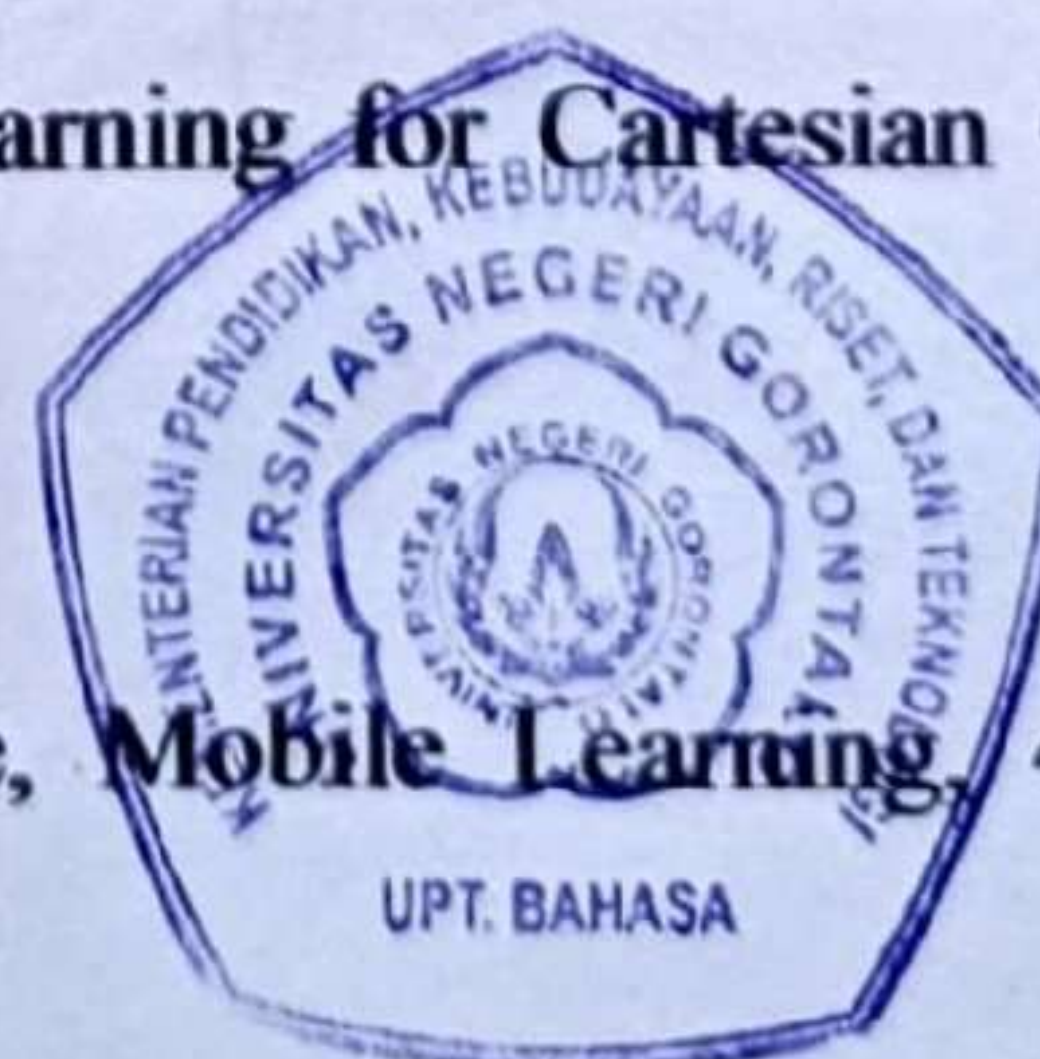
ABSTRACT

Sri Eka Hasan, 411418098. Development of a Multimedia Game Jungle Explorer in Cartesian Coordinates Material Based on Mobile Learning in Class VIII of SMP Negeri 1 Bulango Utara. Undergraduate Thesis. Gorontalo. Program of Study of Mathematics Education, Department of Mathematics, Faculty of Mathematics and Natural Science. Universitas Negeri Gorontalo. 2023.

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This research aims to provide teaching materials based on mobile learning for mathematics education, especially in Cartesian Coordinates material. This research uses a 4-D development model, but only in a limited distribution. This means that the distribution is only carried out in research schools and the subject is a group of students consisting of 23 class VIII of SMP Negeri 1 Bulango Utara. The data collection technique uses observation, research, and documentation. The data analysis focuses on validity, reliability, and precision with each of the criteria is being very valid, reliable, and practical. The finding based on the validation of material expert and media expert shows that the quality of multimedia developed is good. The teacher's ability to manage learning is also categorized as good, students' activities during the learning process reach the ideal time criteria, and the average percentage of students' responses is 87,913 with very positive criteria. This shows that the multimedia jungle explorer game based on mobile learning is good and valid to be used as a multimedia learning for Cartesian Coordinates material in class VIII.

Keywords: Jungle explorer Multimedia Game, Mobile Learning, 4-D Model, Cartesian Coordinate Material in Class VIII.



LEMBAR PENGESAHAN SKRIPSI

Skripsi yang berjudul : “Pengembangan *Multimedia game jungle explorer in cartesian coordinates*, berbasis *mobile learning* di kelas VIII SMP Negeri 1 Bulango Utara”.

Oleh

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Telah diperiksa dan disetujui

Hari/Tanggal : Selasa, 13 Mei 2023

Waktu : 13.00 – 14.30 WITA

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