

ABSTRACT

Evanto Flashino Adiwibowo. 52419084.

ANDROID-BASED PLANE AND SOLID FIGURES INTRODUCTION AND CALCULATOR APPLICATION WITH INDONESIAN AND ENGLISH

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Mathematics is a fundamental thing that must be learned by every human being in life. Human life cannot be separated from mathematics, both simple and complex. One of the branches of mathematics is the subject of plane and solid figures. The use of plane and solid figures have many benefits, especially in certain calculations, both theoretical and practical. Besides mathematics, English is also an important thing that every human should learn nowadays because of the very global use of English. There are many aspects of life that use English, including computers that are often used. From those facts, the author has an idea to create an Android-based application to facilitate the calculation of plane and solid figures as well as learning materials, equipped with Indonesian and English. Android is an open source operating system that is very popular because many are embedded in smartphones that are easy to carry and use. This application was created as an introduction to plane and solid figures as well as the calculator to provide fast calculation. In general, this application can be used by all people and ages. However, specifically this application can be used to help elementary school grade 6 students in mathematics. The application is 2.96 MB (megabytes) in size and has been tested on various smartphones and works without any errors. In addition, this application got a total index score of 90.8% from the questionnaire to 10 respondents using a Likert scale, which means the author succeeded in making this application and achieved a very good predicate.

Bibliography (2003–2022)