

Abstract

Mathematics is often considered a frightening subject and avoided by some students, especially in Elementary School. They complain that math and its given problems are difficult to do. This thing causes children with dyscalculia has difficulty in doing the task involving numbers and mathematical symbols (children with dyscalculia). It is not that dyscalculi children is not able to learn, but they had difficulty which makes it not ready to learn. Therefore, children with dyscalculia need exercises that can help them to learn mathematics.

To overcome these problems, we need a math learning mobile application based on android, MATDIS Application (Mathematics Dyscalculia Application). This application provides six (6) main menus, those are Memory, Read Numbers, Comparative Figures, Sort Numbers, Counting Object, Numeracy and also Bank Operator menu which gives explanations and usefulness of mathematical operators such as addition (+), subtraction (-), division (:), and multiplication (\times). This application is built in the concept of learning mathematics specifically for children with dyscalculia to solve math problems.

Based on the result of our application in SDN Putraco Indah Buah Batu especially in grade four (4) it can be concluded that the MATDIS Application (Mathematics Dyscalculia) can help children with dyscalculia in working practice math problems because MATDIS Application give an interesting questions and an interactive interface, also this application uses a smartphone which is different from the conventional learning concept in general.

Keywords: dyscalculia, math learning difficulty, mobile application.