

### ***Abstract***

*Child tunagrahita have limitations in terms of learning. The speed of the child's tunagrahita is far behind the normal child. To achieve the child's tunagrahita requires repetition of the material, it occurs because the child has a short-term memory ability, due to abnormalities of the brain, especially in the hippocampus and have mental retardation characterized by a weak intelligence with an IQ of less than 75. Therefore required a learning method that is expected to help in improving the memory of the patient. The solution in question is the application of Cognitive Learning of Child Tunagrahita (PEMKOATU) with IT support in the form of mobile application so that the patient can learn outside the teaching from the teacher in the school. The approach taken for the design of these applications using UCD (User Centered Design) method in accordance with the experience and needs of patients, in addition to learning.*

***Keywords:*** *child tunagrahita, instructional application, UCD (User Centered Design), short term.*