ABSTRACT

Early childhood is a group of children who are in a unique growth process, because it happens at the same time as the golden age. (usia emas). The period of growth of a child will affect and determine the development of the child itself. One is to recognize the children's talents as soon as possible so that parents or teachers can help directly by guiding children according to their talents. Expert systems are intelligent computer programs that use knowledge and inference procedures to solve problems that require human expertise that other humans do not have. Experts systems are designed in such a way that they can combine human knowledge with computational capabilities to resolve a problem. The purpose of this final assignment is to create a system of experts to help parents and teachers recognize the children's talents so that they can develop the talents hidden within the children based on *Multiple Intelligences*. (Verbal Linguistik, Logis Matematis, Visual Spasial, Musikal, Kinestetik, Interpersonal, Intrapersonal dan Naturalis). The method used in this specialized system is the Forward Chaining method, has a knowledge base and programming language Visual Basic.Net. Based on testing of the system using the forward chaining methods, the results of this study are from all early childhood children at Bunaya Lhokseumawe 7 people have Verbal Linguistic Intelligence, 2 people have Mathematical Logic Intelligence, 6 people have Visual Spatial Intelligency, 2 guys have Musical Intelligent, 3 people have Kinesthetic Intelligence.computing ability to solve a problem.

Keywords : *Expert System, Early childhood, Forward Chaining Method*