

ABSTRACT

Children with intellectual disabilities have intellectual obstacles that affect their learning and playing activities. SLBN Cileunyi, as a special educational institution, requires facilities that support the motoric, cognitive and social development of mentally retarded children. This research aims to design a multifunctional play table that is safe, ergonomic and interactive for grade 1 SDLB students with intellectual disabilities so that mentally retarded children at SLBN Cileunyi receive intervention as early as possible to support their development. The design approach uses the SCAMPER method to develop products that integrate play and educational elements, such as puzzles and Legos, with features tailored to accessibility needs. The materials used are a combination of solid wood, multiplex and HPL to ensure product durability, aesthetics and safety. Validation was carried out through observation and interviews with teachers as well as direct trials by students. The result is an innovative play table design that supports the fine motor, cognitive and social interaction development of children with intellectual disabilities. The results of using play tables at SLBN Cileunyi show that the tables support the learning process and are effective in meeting the developmental needs of grade 1 mildly mentally retarded children.

Keywords: *Children with intellectual disabilities, play table, special school, ergonomic design, SCAMPER*