ABSTRACT

Children aged 4–6 years are in the pre-operational stage of development, where symbolic thinking, imagination, and motor skills are rapidly progressing. However, their learning interest is often low because they prefer playing over structured learning, compounded by distractions from excessive gadget use. This situation demands an interactive, engaging, and safe learning medium to maintain focus and support their overall development.

This study aims to design an interactive educational table with a space-themed concept to increase learning enthusiasm, stimulate cognitive and motor development, and foster independence in organizing learning tools. The design process employed the Design Thinking approach, consisting of the empathize, define, ideate, prototype, and *test* stages. Data were collected through direct observation of learning activities among children aged 4–6 years and interviews with kindergarten teachers and parents.

The results show that the interactive educational table—featuring a whiteboard, planet puzzle, solar system illustrations, and ergonomic storage—successfully increased learning motivation, extended concentration span, and encouraged active participation. The use of teak wood with child-safe finishing ensured safety, comfort, and durability. This table is considered effective as an innovative learning medium to support the holistic development of early childhood.

Keywords: Interactive Educational Table, aged 4-6 years, Cognitive, Motoric, Enthusiasm for learning.