

ABSTRACT

The waiting area at Rumah Sehat Cikeas incorporates a garden that also functions as a play area for children. However, the garden's uneven layout, consisting of steep steps, poses safety risks—particularly for children playing in the area. Play activities play a vital role in supporting children's physical, cognitive, and social development. Based on this issue, this study aims to design a modular playground that is safe, educational, and suited to the characteristics of Rumah Sehat cikeas. This research uses mixed methods approach, with data collected through field observations, questionnaires distributed to parents, and interviews with staff and visitors. The data is analyzed based on user needs, spatial characteristics, and principles of modular design. The design process includes stages of idea development, sketching, 3D modelling, and initial prototyping. In the idea development stage, the SCAMPER method is applied to explore various possible modifications of playground elements to make them more innovative and context-appropriate. Through this design, the modular playground is expected to become a safe and educational play space at Rumah Sehat Cikeas.

Keywords: *Modular playground, mixed methods, children's waiting area.*