

MIIEx2017

Melaka
International
Intellectual
Exposition

PROGRAMME ABSTRACT

AUTISM

INNOVATION

DESIGN

INVENTION

“Bridging Gaps with Creativity for Future Sustainability”

MIIEX2017



"Bridging the Gaps with Creativity for Future Sustainability"

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SENSORY GALAXY

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UITM MELAKA KAMPUS BANDARAYA

Abstract

Sensory Galaxy is a product that allows children to touch the nature without having to actually go out to experience it. The product is meant to help the autism people to improve and strengthen their touch sensory as autism children dislike putting themselves in a dirt and mess. In our product, the children are able to stimulate their touch, taste textures and variety type of sensitivities as they can play with slime, artificial grass, stones and kinetic sand. The product will not lead to messy that the children will not like but as well parents and caretaker can easily monitor their action without hassle that to ensure the safety of the children. There are few benefits of our product is that the product could make the children to adapt the nature such as sands so that they will be comfortable with it as well as could train their sensory stimulation. Besides that, with the new things that they learn by using our product will enhance the new information that they could use it for their everyday task.

AUTI-BOX

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UNIVERSITI TEKNOLOGI MARA MELAKA KAMPUS BANDARAYA MELAKA

Abstract

Auti-board is a toy specially created for autism children which will develop their ability especially the sensory and social skills and brain stimulation. Auti-Board is a small briefcase which consist of many items attached inside such as bell, whiteboard, wheel, lamp, keychain, door knob, light switch and door lock. Autism children learn by touching these different items which will trigger their sensory stimuli, allow them to recognize things surround them, reduce level of stress, increase learning process, built confidence and become more independent. What is special about Auti-Board is the briefcase itself have two sided where children can choose any side to play with. Besides that, Auti-Board is portable where they can bring anywhere like inside of car, travelling, and also picnic. Auti-Board is a great developmental tool and in engaging fun toy for children ages 3 to 6 years. They play while learning about world around them. Auti-Board is made of plastic which is safe for autism children and the board is suitable for boys and girls. All items are tightly tied to the board however they need to be watched when they are playing with the board. With Auti-Board the child easily be able to develop not only the fine motor skills of hands, but also coordination, sensory abilities, as well as enrich their tactile sensations. The toys also can increase their Moro Reflex toward their body in term of developing their sense of security, stability and belonging in the world. As the example, we provide artificial grass, carpet that can improve their sensitivity toward some textures.