

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 CHAIR BACK REST FOR ENHANCING SENSORY INTEGRATION

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Abstract

Autism Spectrum Disorder (ASD) is associated with behavior, emotion and sensory problems (Baum, Stevenson & Wallace, 2015). These impairments can be overcome through proper, continuous intervention and engagement by caregivers, teachers and therapists. Continuous sensory integration activities and positions will provide graded tactile, proprioceptive and vestibular input to stimulate their arousal and attention. Sensory integration is necessary for children with ASD to take part in play and sustain interaction. Based on these impairment, we designed an innovation to help people with Autism. This innovation is a sensory chair that is made to improve sensory and proprioception in people with ASD. It is aimed to give relaxation, stimulate senses and arousal, improve proprioception and attention. It is fun, handy, comfortable, calming, mind-relaxing and can make people feel like they are in their own world. It can give privacy effect with a hood that is attached together. A removable and portable back rest that is attached with it can be carried to places during vacation instead of carrying the chair. This product is made sure to be safe and convenient for people of all ages. The difference between our intervention and the previous one is our intervention is more holistic that involves sensory integration for the whole body instead of the previous interventions which focused more on sensory integration in one body part. Other than that, our intervention is cheaper and affordable for community. It is hoped to be helpful for people with ASD and family members.