

ABSTRACT

People with alzheimer's dementia are symptoms that often occur in the elderly aged 65 years and over, people with dementia have several behavioral changes, one of which is wandering or wandering aimlessly, this wandering behavior can make people with dementia lost and lost, this makes the companion or family of people with dementia feel worried and need to look for it. To overcome this, it is necessary to monitor the activities of people with alzheimer's dementia, one of the technologies commonly used to track or monitor is GPS. Therefore a gps tracker is needed that can be used according to the activities of people with alzheimer's dementia. This research uses qualitative methods with interviews and observations of the activities of people with alzheimer's dementia. Then using the user centered design method, by involving the user at every stage of the design. The Gps tracker made can be a variety of wearable devices such as belts, bracelets, clothes, and necklaces. The product can be used as desired by people with alzheimer's dementia and operated by their companions. Even so, some aspects of this product are still not perfect and need to be improved.

Keywords: demensia, caregivers, gps