



TECHNOLOGY BLUEPRINT TITLE



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CHAPTER 1

1.0 PRODUCT DESCRIPTION

1.1 Introduction

Based on statistic made by Polis Di Raja Malaysia (PDRM), cases regarding missing children is increasing every year. This issue came from a lot of reasons, mostly because of lack of supervision from parents. A lot of methods have been introduced and a lot of campaign were invented to overcome this issue, however, until now the solution for this issue are still unresolved. This lead to the team to invent a product to help parents in order to supervise their kids even from far distances. That product is Swakiddo Smart Watch. With the existence of Swakiddo Smart Watch, parents are no longer need to be with their children all the time just to ensure their safety. In fact, they can also supervise their kids from distances through this smart watch which a GPS tracker were build-in in this product.

1.2 Purpose of development

The purpose of the product development are:

- To reduce the crime regarding child lost that are increasing in our country nowadays.
- To help parents in order to supervise their children without being by their side all the time.
- To ensure the safety of kids in Malaysia

1.3 Product Concept

- For parents to identify the location of their kids.
- For parents to monitor where their children went throughout the day.
- For parents to monitor their children's level of healthy.
- To let children use navigation in case they are lost.
- To alert parents if there are emergency things happen to their kids.

1.4 Application

The application of this product is to act as a device that can help parents and guardian to keep their children safe at anytime, anywhere without being with them by the side and at all the time.

1.4.1 Functions

There are a lot of functions for this Swakiddo Smart Watch, firstly to act as a regular watch such as to shows the time, to set the alarm and stop watch. Other than that, are:

- To measure the blood pressure,
- To measure steps taken and travel distance,
- To track the live location of the user,
- To act as navigation tools for the user,
- To make and receive phone call via inserted sim card,
- To take a photo using camera that was built in, and
- To use the Panic Button by the user in case of emergencies which signalling the connected device by parents.

1.5 Unique features

The uniqueness of the product for availability in Malaysia market consists of:

- Smart Watch
- GPS Tracker
- Navigation Application
- Phone Call System
- Camera

CHAPTER 2

2.0 TECHNOLOGY DESCRIPTION

2.1 Overview of product prototype

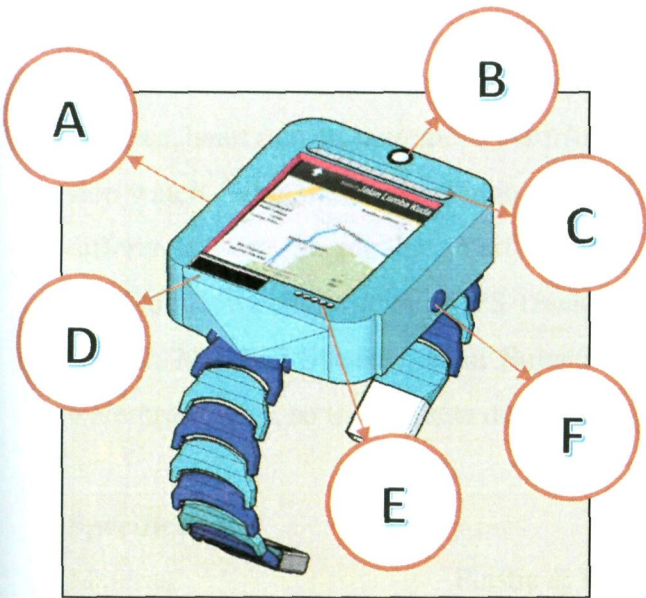


Figure 1: Part in Front of Swakiddo Smart Watch

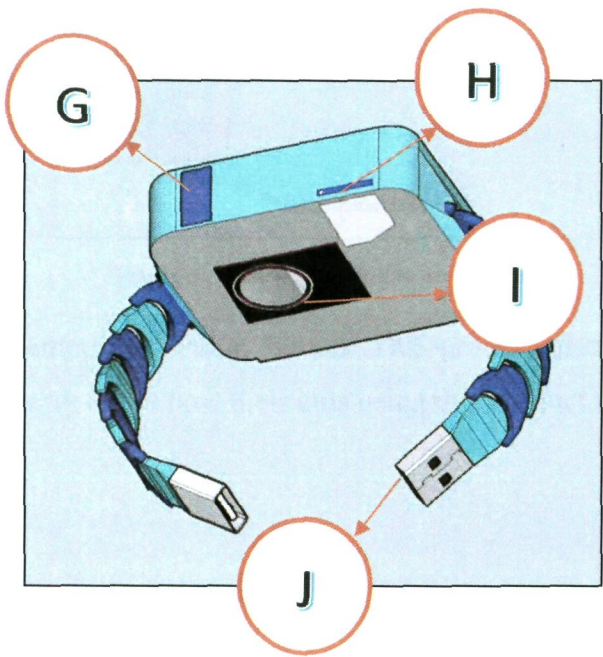


Figure 2: Part Behind the Swakiddo Smart Watch

Legend:

LABEL	DEVICE
A	Smart Watch
B	Camera
C	Mini Solar Panel
D	Speaker
E	Microphone
F	Panic Button
G	GPS Tracker
H	Sim and Memory Card Slot
I	Sensor
J	Magnetic USB Charger Cable