



HYPERTHERMIA

PORTABLE HEAT STROKE PREDICTOR

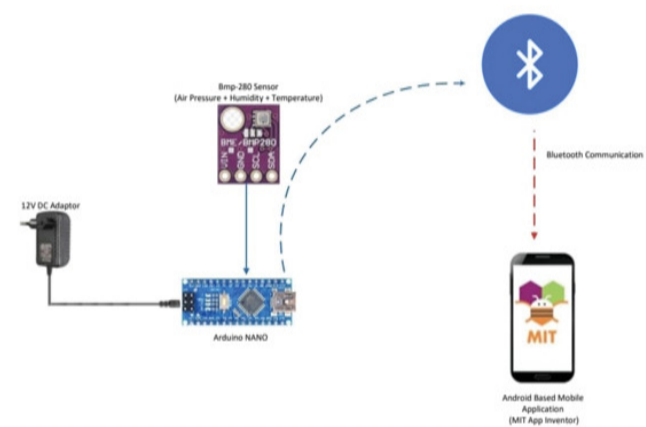
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INTRODUCTION

Today, we need to identify the type of weather before deciding on the RISK and contingency action. Different weather has different impact and affect. As such we use the HYPERTHERMIA PORTABLE HEAT STROKE PREDICTOR method to determine the weather and the risk. HYPERTHERMIA is a change in environment sensing instrument which uses three main primary parameter air temperature, air humidity and air pressure to predict the risk related to change in weather. HYPERTHERMIA runs an algorithm that able to use these three weather parameters to do the prediction. The basic fundamental idea behind this innovation is the classic barometer.

METHOD



HYPERTHERMIA
PORTABLE HEAT STROKE PREDICTOR



DATA AND DISCUSSION

Table below shows the condition for formation of certain type of weather. HYPERTHERMIA uses this data to run an algorithm to predict the weather risk

Condition	Air Pressure (hPA) Hectopascal	Air Humidity (%)	Air Temperature (degC)	Weather Condition	Risk
1	Less than 970	Equal or more than 75	Less than 27	Thunderstorm	Flash Flood
2	970 to 990	Equal or more than 75	Less than 27	Rain	Flood
3	990 to 1000	More than 65	Less than 30	Cloudy	Lightning
4	1000 to 1030	Less than 60	More Than 29	Sunny	Good Weather
5	1030 to 1040	Less than 55%	More than 36	Extreme Heat	Heat Stroke

BENEFITS OF THIS INVENTION

HYPERTHERMIA will be a major breakthrough for medical and environmental industry. It also will be benefiting the society. Following are the benefits:

1. As preventive and corrective tool to overcome heatstroke effect. Lack of awareness on heatstroke among society.
2. This invention will be major breakthrough for medical field and provide platform to identify factors and solution for heatstroke.
3. This will be benefit meteorological department as weather forecast and contingency action for natural disaster.
4. Benefit for environmental study and research.

In a nutshell this invention also in line with United Nations Sustainable Development Goals (SGD) Goal 9 - Goal 9: Build resilient infrastructure, promote sustainable industrialization and foster innovation and Goal 15: "Life on land." - "Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss".

**SUSTAINABLE
DEVELOPMENT
GOALS**



CONCLUSION

HYPERTHERMIA is only cost RM250 and comes with the app for android. This app has the capability to display the type of weather and risk due to the weather. The material that we used to build this prototype is very cost effective and priority given on the safety measurement for the consumer and its very user friendly.

REFERENCE

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