



UNIVERSITI
TEKNOLOGI
MARA

Cawangan Perak



BUILDCON2023

**COMPILATION OF PROJECT INNOVATION IDEAS
SEMESTER MARCH – AUGUST 2023**

EMBRACING SMART CONSTRUCTION TRANSFORMATION

BUILDERS' CONVENTION DAY 2023

**Department of Built Environment Studies and Technology
College of Built Environment
Universiti Teknologi MARA Perak Branch**

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COMPILATION OF PROJECT INNOVATION IDEAS
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Organised by
Department of Built Environment Studies and Technology
College of Built Environment
Universiti Teknologi MARA Perak Branch
Malaysia

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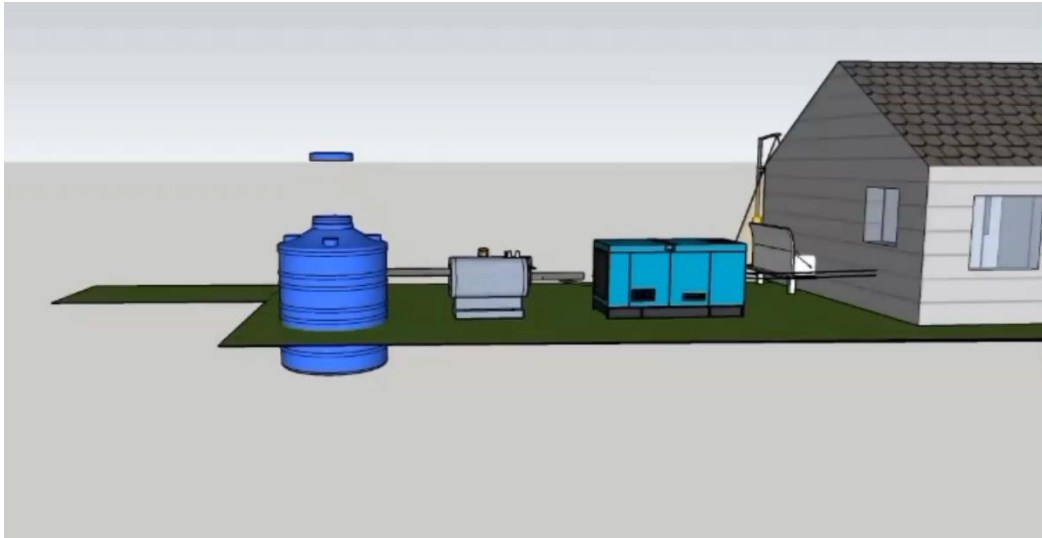
BIOMASS ELECTRICITY

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Biomass Electricity

Innovation Idea:

The consequences of the nation's growing solid waste problem are the main topic of this research study. According to the findings, the country is facing negative impacts due to this increase. Since it continues to grow every year, the rise in solid waste is often regarded as one of the most serious problems in the nation. Residents in the area squander a lot of food, which contributes to the rise in solid waste. Additionally, by using solid trash as a source to generate electricity, this innovative project can aid in slowing the rate of solid waste increase in the nation. The existence of this innovative project can contribute to the production of more electricity and renewable energy sources. The study involves several approaches including design thinking, document reviews, and others. The design thinking approach aids researchers in understanding the product's design and functionality. By decreasing Malaysia's growing solid waste problem and increasing the nation's electrical output, this creative approach could benefit the nation. This commodity is most marketable in residential communities like bungalows, terrace homes, and similar dwellings. This is because the increase in solid waste in the nation is largely attributed to these residential regions. This waste can be decreased while simultaneously contributing to home electricity production with the help of cutting-edge technologies like biomass electricity.

Surat kami : 700-KPK (PRP.UP.1/20/1)

Tarikh : 20 Januari 2023

Prof. Madya Dr. Nur Hisham Ibrahim
Rektor
Universiti Teknologi MARA
Cawangan Perak



Tuan,

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Kelulusan daripada pihak tuan dalam perkara ini amat dihargai.

Sekian, terima kasih.

“BERKHIDMAT UNTUK NEGARA”

Saya yang menjalankan amanah,

SITI BASRIYAH SHAIK BAHARUDIN
Timbalan Ketua Pustakawan

nar

Setuju.

27.1.2023

PROF. MADYA DR. NUR HISHAM IBRAHIM
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