



EMBRACING SMART CONSTRUCTION TRANSFORMATION

BUILDERS' CONVENTION DAY 2023

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

## BUILDCON 2023 COMPILATION OF PROJECT INNOVATION IDEAS SEMESTER MARCH – AUGUST 2023



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

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#### **Editors**

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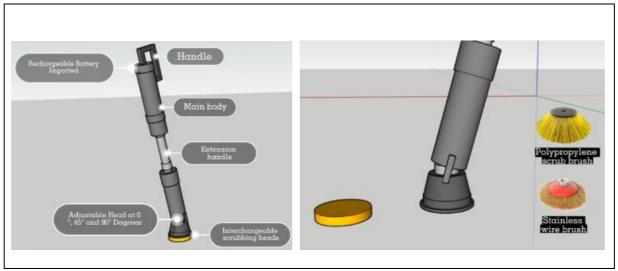
#### ADJUSTABLE PAINT CLEANER FLOOR SURFACE

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Adjustable Paint Cleaner Floor Surface

#### **Innovation Idea:**

The main issue identified in the study is the labour-intensive and time-consuming process of paint removal, which can result in delays in completing work on other parts of a project. Moreover, construction workers continue to rely on traditional methods for cleaning paint. Paint removal from tiles is extremely difficult, and the longer the paint is allowed to set, the more difficult it becomes. The objectives of this research are to develop adjustable paint cleaner for floor surface design ideas, assemble the prototype from an improvised design of the adjustable paint cleaner for floor surfaces, demonstrate the performance of the adjustable paint cleaner for floor surface prototype, and suggest its marketability potential. The data collection method of the study is secondary data collection from a variety of sources: academic institutions, industry reports, published studies, surveys, and databases. Besides, SketchUp was used to gather spatial data by creating precise 3D models. This data can be used for measurements, simulations, and comparisons. The fundamental discovery of the adjustable paint cleaner for floor surfaces is that it considerably enhances the efficiency and effectiveness of paint cleaning processes. The adjustable paint cleaner is a modern product or tool that outperforms traditional techniques of removing paint from floor surfaces. As a recommendation for modern technology adoption, the building industry could consider embracing current technology, such as adjustable paint cleaners, to optimise paint cleaning operations. This novel solution has the potential to improve efficiency, minimise labourintensive tasks, and result in improved overall project management.

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"BERKHIDMAT UNTUK NEGARA"

Saya yang menjalankan amanah,

Setuju.

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PROF. MADYA DR. NUR HISHAM IBRAHIM REKTOR UNIVERSITI TEKNOLOGI MARA CAWANGAN PERAK KAMPUS SERI ISKANDAR

SITI BASRIYAH SHAIK BAHARUDIN Timbalan Ketua Pustakawan

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