



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

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Perpustakaan Negara Malaysia

Cataloguing in Publication Data

No e- ISBN: 978-967-2776-24-6

Cover Design: Muhammad Naim Mahyuddin

Typesetting : Siti Akhtar Mahayuddin

e ISBN 978-967-2776-24-6



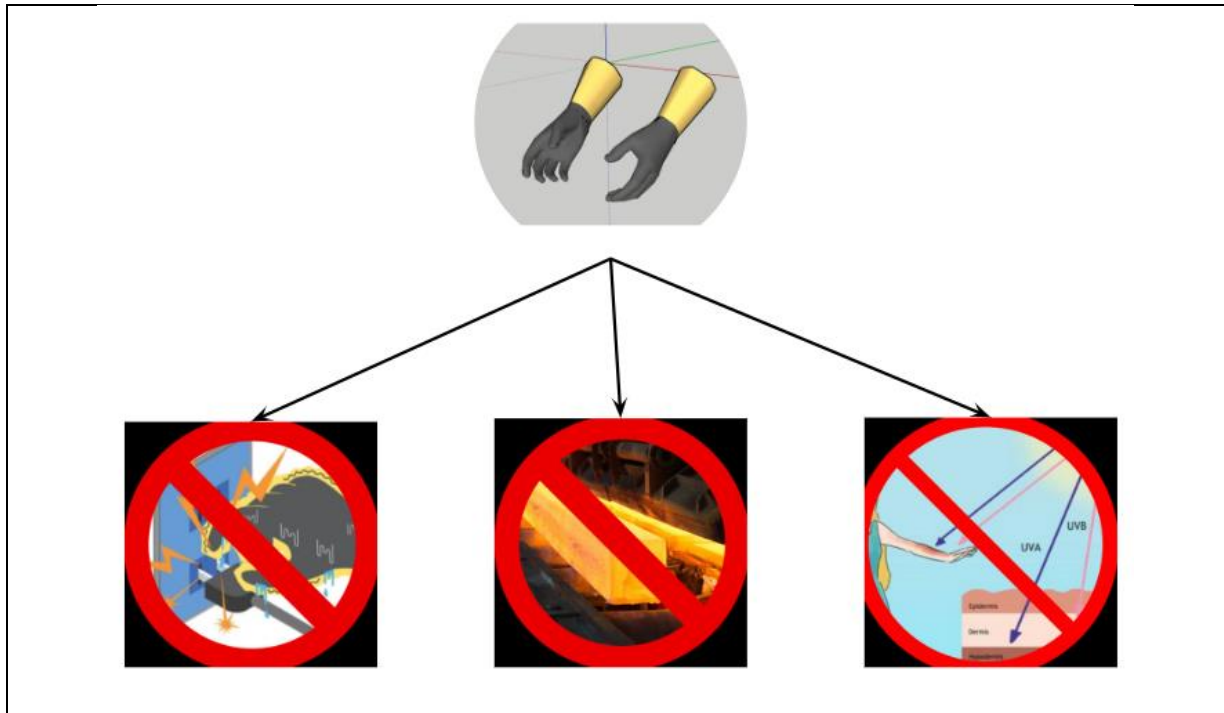
INNOVATION OF SAFETY GLOVES

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Innovation of Safety Gloves

Innovation Idea:

The construction industry in Malaysia has risen to become the fastest growing industry in the world. As the construction industry undergoes rapid transformation, the demand for safety gloves has increased in tandem with industry growth. Safety gloves are one of the crucial Personal Protective Equipment (PPE) for protecting the hands of construction workers on construction sites. Occupational Safety and Health Administration (OSHA) mandates that employers in the construction industry must ensure their employees wear safety gloves when working in environments where there is a risk of hand injury. In the construction industry, safety gloves are important in protecting workers from workplace hazards. Based on the previous studies, there are currently several issues affecting the safety and comfort levels of workers in relation to safety gloves used in construction workspaces. By identifying the main issues, the current study provides an opportunity and platform to propose new innovative ideas to address the challenges. As a result, new solutions are proposed to combat the identified issues. To achieve the research objectives, the method used for the development of innovation ideas in the study includes literature review on topics related to safety gloves. From the comparison with the previous safety gloves innovations in terms of performance and functionality, it is evident that safety gloves with enhanced safety features offers greater comfort in daily use and performs equally well in all functional aspects. This improvement in safety gloves is expected to reduce the likelihood of accidents or injuries involving the hands during usage.

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



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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

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