

[VOL. 102 NOV. 2020](#)



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## General

### [Ir. Dr. Chin Siew Choo produces sustainable construction material OHE-Crete](#)

6 November 2020

A researcher from the Department of Civil Engineering, College of Engineering, Universiti  
Siew Choo produced sustainable construction material, namely OHE-Crete.

According to the Negeri Sembilan-born, OHE- means green in the Hawaiian language.

“Therefore, OHE-Crete refers to green concrete that uses bamboo fibres to produce sustainable

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**CREATE**  
e-newsletter

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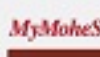
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Newsletter Image

**Structural strengthening solution, to boost Malaysia bamboo plantation and industry.**

**POTENTIAL APPLICATION**

- Plastic shrinkage and drying shrinkage control.
- BRAC for concrete slab and column structural element.
- Ground slab & wall to improve strength and reduce thickness.

**NOVELTY**

- Patent filing in progress, commercial demand is available.
- Developed a high quality and innovative green composite in structural strengthening.
- Transformed traditional application of bamboo towards a new modernized sustainable green strengthening solution.

**PUBLICATIONS**

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**COLLABORATION & INDUSTRIAL PARTNERS**

JMOAs with Educatio Group Sdn Bhd  
Project 1: BAMBUSUM (2017-2019)  
Project 2: BAMBUSUM (2017-2019)  
Application for building and construction sector

**BENEFIT OF PRODUCT**

- REDUCING & SUSTAINABLE RESOURCES
- IMPROVING STRENGTH & DURABILITY
- GREEN CONSTRUCTION SOLUTION
- LOW CARBON & ENVIRONMENTAL FRIENDLY
- LOW COST & MAINTENANCE COST
- LOW WEIGHT & EASY TO HANDLE
- LOW WASTE & EASY TO DISPOSE

**BAMBOO FIBER**

**SIMANTAN**

**BAMBOO SPECIES**

**Sustainable Build**