PORTABLE TEMPORARY BEAM SUPPORT

Abstract:

Struts are a construction made of various materials such as wood and iron. A strut is a tool to accommodate the load beam during construction it was used to hold the forms in concrete fill. In addition, the struts are usually designed in the form of 'T' because it is easy to hold the shape. In the construction sector at present still use conventional methods that use wood.

The goal of our products is to minimize the use of wood and replaced with iron. Use struts made of iron is more durable and can be used for the next project rather than the use of wooden struts out of the project because when the wood will be removed. Furthermore, the use of metal struts to hold more weight and do not rot compared to the use of wooden struts and less weight-bearing biodegradable.

The products we produce are portable beam struts which can withstand a box shape may be varied according to the size of the beams and struts that we produce can change the height according to the design of the building.

Keyword: Green high early self consolidation sustainable concrete, weight- bearing biodegradable, portable beam and struts

IP no:

Finding:

Q1: Did portable temporary beam supported in construction have good workability?

Q2: Did portable temporary beam supported easy to install?

Q3: Did portable temporary beam supported more long life than wood struts?

Data Questionnaire

	Q1	Q2	Q3
Strongly disagree	0	0	0
Disagree	2	3	0
Agree	10	12	10
Strongly agree	18	15	20



Suggestion for future work

- i. Improve the usability of the construction site equipment as well as for improving the usability of the device.
- ii. These portable struts as necessary to promote this tool will benefit to labour construction.
- iii. Upgrade more like creating a tool that can work for variable uses. For example, this product was created to function likes to support beam formwork and it's also can use to slab concrete or can use to spirit level.
- iv. This devices can replace that wood pole for temporary on the garage.

Picture related to project





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