

Ergonomically Design Back Pack table and Chair for Site Engineers and Field Technicians

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Abstract: The study aims to develop a portable ergonomically designed table and chair back pack for the site engineers and field technicians in the concrete batching industry. The study used the visual analogue discomfort scale in evaluating the level of discomfort and pain among site engineers and field technicians. The results reflected that there is a significant level of discomfort among the respondents. Hence an intervention is needed to reduce if not eliminate these discomfort and pain that leads to a proposed ergonomically designed table and chair. A design and development of an ergonomically design back pack table and chair was presented in the study as well as its validations of its effectiveness to the Site Engineers and Field Technicians.

Keywords: *Back pack Table and Chair; Ergonomics; Visual Analogue Discomfort Scale*