## Reducing Risk Factors of Back Pains Among Surveying Engineering Using the a Graduated Tripod

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Key words: Engineering survey; Risk management

## SUMMARY

Low back pain is a big concern for the business of the surveying engineer. Many individuals will develop back pain throughout their lifespan which could drive some of them to a disability. A study was developed to figure out how to mitigate risk factors over extended periods of time that could exacerbate back problems for surveyors.Land surveying, the graduated tripod was used as an index to calculate the back pain issues encountered by the surveyors. The goal of this analysis is to establish a more successful teaching method through a tweaked tripod. The fieldwork investigation showed that there is a significant difference between the standard tripod and the scaliest tripod used by both categories. However, the use of the improved scaliest tripod revealed that the back pain was reduced and the result was more precise.

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