

The Impacts of Software Reuse Practice on Quality and Achievement Goals among Malaysian Freelance Software Developers

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Abstract

Software reuse practice has been widely proven to benefit software development community. However, in the literature, despite the rising trends of freelance development, the impacts of software reuse practice were not critically explained in this context. By employing a survey with 351 Malaysian freelance developers, the data were analysed using PLS-SEM technique to investigate the impacts of software reuse practice and to draw conclusions. Higher order constructs were established to measure software reuse practice, quality, and achievement goals. The findings show that software reuse practice has significant impacts towards quality and achievement goals. The study revealed how freelance developers reuse software assets to develop high quality software that further encourages and confirms the benefits of software reuse practice.

Keywords: Software reuse, software development, freelance developer, freelancer.