

# Developing TVET Teaching-learning Model in the Digital Era

by

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Status : ongoing research (2016)

Purpose of research : To find out TVET teaching-learning model which is fit to Indonesian context in the digital era.

Timetable :

Activities	March	April	May	June	July	Augst	Sept	Oct	Nov	Dec
Literature review										
Inst development										
Data collecting										
Data analysis										
Report writing										

Future plans (2017) : Developing TVET teachers training model in digital era.

Synthesis of the research (2016):

Teachers are one of the determinants on the quality of education, since more than 50% of learning outcomes are determined by teachers. Therefore Finland and some other countries successfully improve the quality of education by preparing teachers well.

Technology turned out to change the pattern of human life. Digital technology has changed ifestyle and work patterns. Various studies find the digital age requires a different work competence compared with the industrial era. Competence of the digital era or the 21st century leads to multi-tasking, cross culture collaboration and creativity. Much different from the competence of the industrial era that relies on specialized skill manuals.

When the work competence changes, it is necessary to change the learning model as well. Up to now teaching-learning model in TVET is dominated by direct instruction (DI) completed with job sheets that is suitable for industrial era, but not suitable for the digital era. Project based learning (PBL) has the potential to cultivate creativity. But the practical learning in TVET which have the risk of accident and equipment damage, is not easy to implement PBL. Therefore it is time to develop a safe learning model but able to grow the competence of the 21st century.