

Executive Summary

In the framework of regional cooperation platform (RCP) of GIZ this study report attempts to give a deep and detailed insight about the findings and results of the so called P9-research Project entitled “Occupational Competence Need Analysis”. The project, which led by Indonesia University of Education (UPI) in cooperation with another four partner universities in Asia (Tongji University China; University of Namdinh Vietnam, UTHM Malaysia and UNY Indonesia) was planned and carried out to respond the fact of a wide gap existing between technical and vocational education and training (TVET) process with the world of work.

Among the factors leading to the gap is the lack of methodological competence of TVET teachers in working on curriculum development, specifically in analyzing the needs of industrial sector towards occupational competences to be included in the curriculum and accordingly imparted during the learning process in their vocational education institutions. Based on this fact the study project aimed firstly at exploring some different prominent methods used to analyze occupational competence need of the world of work; and then selecting the methods to be applied in analyzing some occupations selected by involved researchers. From the methods application it was expected that researchers obtained empirical experiences which they can convey in vocational teachers education process along with learning materials developed during and at the end of the project work.

Overall there were three methods applied in sequence during the research project: (1) occupational sector analysis, (2) expert worker workshop and (3) work process analysis. The three methods were applied in different country and cultural settings attributed to the origin of the researchers. For the execution of projects plan a guiding instrument was developed and discussed in advance. This was intended to build common basis and understanding among the researchers.

Comparison analysis applied to the research results has found out that the organizational preparedness und proper understanding of the researchers towards the methodology and the provided guidelines became the key factor determining the success of the research. Shortage in this aspect has led to some deviations of expected research output. Thus, it is among others very recommended for researchers to firstly devote their effort to get a clear insight about the methods prior to its application.