



Contribution ID: 186

Type: **Poster in Hanoi**

Determination of problem-solving competency framework associated with student's majors

Wednesday, December 15, 2021 7:45 AM (5 minutes)

We have consulted with 20 experts in Theory and Physics teaching methods about the reliability and validity of the Elements of competency and Behavioral indicators in the built structure table. Collected data were coded, processed, and analyzed by excel. Based on the comments, the study has reviewed and adjusted the components and behavioral indicators accordingly.

After consulting experts from the adjusted structure table, we surveyed the students' confidence level for each behavioral indicator of problem-solving competency associated with students' majors. The sample in the study was a convenience sample, including 60 engineering students from Ba Ria - Vung Tau University who studied General Physics participated in the survey. The 5-level Likert scale tool is used for variables related to students' confidence when solving problems associated with their major. Collected data were entered and coded in excel, then processed by SPSS software. Analyze Cronbach's Alpha coefficient to check the reliability of the scale.

We will discuss the results more clearly when the article is presented in workshop

Primary authors: Dr TƯỜNG DUY, Hải; Prof. ĐỖ HƯƠNG, Trà; NGUYỄN, huyền thanh

Presenter: NGUYỄN, huyền thanh

Session Classification: Parallel 6 - Hanoi

Track Classification: 2. Competence-based Physics education