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Independent campus on industrial engineering undergraduate program in Indonesia: A delphi method(Conference Paper)

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Abstract

The industrial engineering department needs to evaluate graduates who can adapt their expertise to the needs of the industry. The purpose of this study is to assess graduate skills through program educational objectives (PEO) and learning outcomes (LO) and propose an undergraduate student internship program by adopting the concept of an independent campus in Indonesia. Moreover, it also uses a three-round the Delphi method through the in-depth interviews with 128 alumni in 100 industries, focus group discussion with ten experts, and validation from the panelist consist of practitioner and academician. Findings presented that 3 PEO and 14 LO still relevant based on the industrial requirement. Then, this study found that there were two types of internship programs consisting of 18 skills of the internship program in the industry and 14 skills of the entrepreneurship program. The paper guides the industrial engineering department in charge of an undergraduate student internship program through a Delphi method. © 2020 IEEE.

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