

Abstract

Changes in the teaching and learning process during the Covid-19 pandemic affect the teaching and learning process in general felt by students and lecturers where there is no proper curriculum preparation following the current situation. This change has a major influence on the quality of graduates that will be produced in the future. This is behind the author conducting research evaluation and curriculum development strategy of industrial engineering study program through the collection of alumni data through the dissemination of questionnaires then processed using IPA methods and FTA methods.

The questionnaire distributed has 2 target respondents, namely Alumni who have worked and Graduate Users where alumni work. The respondent data obtained is then processed using the IPA method where the results of IKP (Customer Satisfaction Index) are obtained by 10 Categories of Satisfaction A (Very Good), 4 Categories of Satisfaction B (Good), and 4 Categories of Satisfaction C (Sufficient). This means that service users rate the average alumni performance is categorized as Good. In the analysis using the Cartesian Diagram, there is a dimension of A6 (communication) in Quadrant A (Concentrate Here) which is considered important by service users but graduates provide poor service (performance). Therefore, UKDLSM needs to improve the quality of students in terms of communication. Then the results of the analysis on the IPA method continued to the FTA method where Dimension A6 (communication) where the Top Event in the error tree is communication with the analysis of the search for the cause of the top event that there are 2 input causes, namely Courses and Character / Student Nature.

Keywords : Curriculum, FTA Methods and IPA

Abstrak

Perubahan proses belajar mengajar di masa pandemi Covid-19 mempengaruhi proses belajar mengajar secara umum yang dirasakan oleh mahasiswa dan dosen dimana tidak adanya persiapan kurikulum yang tepat mengikuti keadaan sekarang ini. Perubahan ini membawa pengaruh besar terhadap kualitas lulusan yang akan dihasilkan di masa yang akan datang. Hal inilah yang melatarbelakangi penulis melakukan penelitian Evaluasi dan Strategi Pengembangan Kurikulum Program Studi Teknik Industri melalui pengumpulan data alumni lewat penyebaran kuesioner kemudian diolah menggunakan metode IPA dan metode FTA.

Kuesioner yang disebarakan memiliki 2 sasaran responden yakni Alumni yang telah bekerja dan Pengguna Lulusan di mana alumni bekerja. Data responden yang di dapatkan kemudian diolah menggunakan metode IPA di mana hasil IKP (Indeks Kepuasan Pelanggan) yang didapatkan 10 Kategori Kepuasan A (Sangat Baik), 4 Kategori Kepuasan B (Baik), dan 4 Kategori Kepuasan C (Cukup). Artinya pengguna jasa memberi penilaian bahwa kinerja alumni rata-rata di kategorikan Baik. Dalam analisis menggunakan Diagram Kartesius terdapat dimensi A6 (*communication*) pada Kuadran A (*Concentrate Here*) yang dianggap penting oleh pengguna jasa tetapi lulusan memberikan pelayanan (kinerja) buruk. Oleh karena itu, UKDLSM perlu melakukan perbaikan kualitas mahasiswa dalam hal *communication*. Kemudian hasil analisis pada metode IPA di lanjutkan ke metode FTA dimana Dimensi A6 (*communication*) di mana *Top Event* dalam pohon kesalahan adalah *communication* dengan analisis pencarian penyebab terjadinya *top event* yang terdapat 2 *input* penyebab yakni Mata Kuliah dan Karakter/ Sifat Mahasiswa.

Kata Kunci : Kurikulum, Metode FTA dan IPA