

## **MEMBANGUNKAN INSTRUMEN KEPIMPINAN DALAM SISTEM PENDIDIKAN TEKNIK DAN VOKASIONAL: PENGGUNAAN TEKNIK DELPHI TERUBAH SUAI**

(Developing Leadership Instruments in Technical and Vocational Education System:  
Application of Modified Delphi Technique)

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### *ABSTRAK*

Makalah ini bertujuan untuk mendapatkan pengesahan kesepakatan pakar terhadap keperluan instrumen Kepimpinan Instruksional Berinovatif. Keperluan instrumen ini adalah untuk meningkatkan profesionalisme pentadbir terhadap konteks pendidikan teknikal dan vokasional. Teknik yang digunakan dalam membangunkan instrumen keperluan kepimpinan ini adalah teknik Delphi Terubah Suai. Teknik ini digunakan untuk mendapatkan kesepakatan bersama pakar dalam membangunkan item-item kepimpinan. Pembangunan instrumen telah dilakukan oleh sebelas orang pakar yang mempunyai kepakaran, pengalaman dan pengetahuan dalam bidang kepimpinan dan pendidikan teknik dan vokasional. Makalah ini menyediakan contoh untuk mendapatkan nilai julat antara kuartil (JAK) dengan menggunakan teknik Delphi Terubah Suai yang telah dilakukan pada pusingan kedua hingga kesepakatan tercapai. Nilai JAK merupakan nilai yang diperoleh daripada soal selidik yang telah dilengkapkan oleh pakar untuk mendapatkan nilai kesepakatan terhadap item konstruk dan telah dianalisis menggunakan Microsoft Excel.

*Kata kunci:* teknik Delphi Terubah Suai; pendidikan teknikal dan vokasional; julat antara kuartil

### *ABSTRACT*

The purpose of this paper is to verify the experts consensus on the need of Innovative Instructional Leadership instruments. This instrument is used to improve the administrator's professionalism in the context of technical and vocational education. The technique used in developing the leadership requirements is the Modified Delphi technique. This technique is used to obtain a consensus with the experts in developing the leadership items. Development of this instruments was carried out by eleven experts that have the expertise, experience and knowledge in the areas of leadership and technical and vocational education. This paper provides examples in obtaining the inter quartile range using the Modified Delphi technique that has been carried out in the second round until an agreement is achieved. Values of the inter quartile range is obtained from the questionnaires that have been completed by the experts to get a consensus for each of the items of the constructs and have been analysed using Microsoft Excel.

*Keyword:* Modified Delphi technique; technical and vocational education; interquartile range

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