

ANALISIS PENILAIAN PANCA MUTU RISALAH CIP REFINERY UNIT II-VII TERHADAP PERKEMBANGAN VALUE CREATION PT.X DENGAN METODE HIERARCHIAL CLUSTERING

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Abstrak

PT.X adalah perusahaan nasional yang bergerak di industri minyak dan gas (migas) selalu berupaya meningkatkan hasil produksi minyak di sektor pengolahan guna untuk memenuhi kebutuhan masyarakat dan mendapatkan profit perusahaan dengan dilakukannya revitalisasi kilang serta penemuan sumber cadangan minyak baru. Untuk itu diperlukan terobosan-terobosan baru untuk mengeksplorasi sumber daya yang ada baik alam dan manusianya itu sendiri. Melalui program *Continuous Improvement Program* (CIP) guna untuk melaksanakan penyelesaian masalah di sector pengolahan berbasis Plan-Do-Check-Action (PDCA) dan melihat dari aspek panca mutu Quality, Cost, Delivery, Safety, Morale (QCDSM). Tujuan dari penelitian ini adalah mengetahui seberapa besar pengaruh implementasi CIP terhadap kinerja perusahaan dan klasifikasi index penciptaan nilai hasil CIP dalam menentukan kualitas CIP. Peneliti menggunakan metode *Hierarchical Clustering* untuk mengelompokkan penilaian 5 Aspek panca mutu QCDSM dengan metode *Nearest Neighbor* lalu membuat definisi variable dan mengkategorikan risalah melalui software *Practical Extraction and Reporting Language* (PERL). Diharapkan hasil penilaian indeks ini dapat memberikan rekomendasi agar risalah CIP dapat memperbaiki hasil penilaian untuk mencapai kategori risalah yang melakukan inovasi perbaikan.

Kata Kunci: Continuous Improvement, Hierarchical Clustering, PT.X, Value Creation

**ANALYSIS OF ASSESSMENT OF THE QUALITY OF PANCA
MUTU CIIP REFINERY UNIT II-VII ON DEVELOPMENT OF
VALUE CREATION PT.X USING HIERARCHIAL
CLUSTERING METHOD**

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Abstract

PT. X is a national company engaged in the oil and gas industry. It always strives to increase oil production in the processing sector in order to meet the needs of the community and gain company profits by carrying out refinery revitalization and finding new sources of oil reserves. For this reason, new breakthroughs are needed to explore resources that are both natural and human. Through the Continuous Improvement Program (CIP) program to carry out problem solving in Plan-Do-Check-Action (PDCA) -based processing sectors and look at the five-quality aspects of Quality, Cost, Delivery, Safety, Morale (QCDSM). The purpose of this study is to find out how much influence the implementation of CIP on company performance and classification of CIP value creation index in determining the quality of CIP. The researcher used the Hierarchical Clustering method to classify the assessment. 5 The five-quality aspect of the CDSM by Nearest Neighbor then made a variable definition and categorized the journal through the Practical Extraction and Reporting Language (PERL) software. It is expected that the results of the assessment of this index can provide recommendations so that the CIP minutes can improve the assessment results to reach the category of journals that make improvement innovations.

Keywords : Continuous Improvement, Hierarchical Clustering, PT.X, Value Creation