Most Critical Analysis of Variables Affecting Supply Chain Agility with Interpretive Structural Modeling Methods and SEM – PLS
(Case Study: PT. Semen Gresik)

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Needs and tastes of the various kinds of products consumers want fast-changing and difficult to predict. In an ever-changing conditions that companies responding to consumer demands permintaanya in a short time. This can lead to competition among firms becomes very tight, companies can respond to consumer demand with the fastest time then the company will win the competition and will continue to survive in the business world. Agility is an important factor affecting the performance of the company.

The design of supply chain agility model conducted to determine the most critical variables that affect supply chain agility companies using ISM and find out the relationship between those variables that can be known from the output of PLS software. Results from this study is that the hierarchical model of the ISM in this study is divided into three levels. Top level consists of variables Focused Collaborative Planning, Integration Process, Use of Information Technology, Improving Service Level, Minimize Cost, Customer Satisfaction, and Development Trust. Middle level consists of variables Market Sensitivity, Speed Delivery, Data Accuracy, Quality Improvement, and Uncertainty Minimization. And the bottom level consists of variables Lead Time Reduction and Minimization variable Resistance to Change. To improve the company's supply chain performance is to optimize all the variables, starting from the bottom level and middle levels and next is top-level direct influence on supply chain agility.

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