SUMMARY

PT Supa Surya Niaga is a company in the food industry field located in Gedangan Sidoarjo East Java with processed cashew as their main product. This study aims to determine the condition of the cashew supply chain performance at PT Supa Surya Niaga in 2014 from the efficiency value of Kediri supplier, Madura Supplier, West Nusa Tenggara Supplier and from the company itself, analyse the variable that most influence on the efficiency and evaluate the value that should be maintained by each variable. Data Envelopment Analysis (DEA) method with input oriented is used in this study. Input variables used are cash-to-cash cycle time, lead time, supply chain cost and flexibility while output variables used are standards conformance, order fulfillment, delivery performance and revenue.

Based on the research, the efficiency value are 93.675% for Kediri supplier, 91.842% for Madura supplier, 96.875% for West Nusa Tenggara and 94.708% for the company. Overall, cashews supply chain efficiency at PT Supa Surya Niaga 2014 is 94.275%. Input variable that most influence on the efficiency for Kediri Supplier is cash-to-cash cycle time, Madura and West Nusa Tenggara is lead time, while for the company is cost variable.

Keywords: Cashew, DEA, Efficiency, Supply chain