ABSTRACT

***Rezky Nurjanah**, NIT : 49124732 K, 2017, Optimization Of Delivery System In Effort To Improve The Continuity Of Aviation Fuel Supply Chain From Surabaya To Banyuwangi By PT. Pertamina Trans Continental Branch Surabaya, Minithesis of Port and Shipping Department, Diploma IV Program, Semarang Merchant Marine Polytechnic, Adviser I: Sri Murdiwati, S.Sos.,M.Si., Adviser II: Capt. Wisnu Handoko, M.Mar.*

The continuity of aviation fuel supply chain is the main task of agent to get appointment letter from customer about aviation fuel delivery from Surabaya to Banyuwangi. Starting from handling of the license document and the cargo document, the continuity of aviation fuel loading from tank ground to the tank truck, along with the continuity of aviation fuel delivery to the destination. The purpose of the study is to discuss about how delivery system has been applied in PT. Pertamina Trans Continental Branch Surabaya as well as obstacles faced. The state of the problems are: (1) How the aviation fuel delivery system applied at PT. Pertamina Trans Continental Surabaya Branch? (2) What are obstacles that faced during the aviation fuel delivery? (3) What effort to overcome the obstacle?

The method that used in this research is qualitative method by using fishbone diagram analysis (fishbone) which produce descriptive data in the form of written words from people and observed behavior. The data collection is to support the report of this research results in the approach to the object through observation, interview directly to the object, and using documents and data related to the delivery of aviation fuel. Based on the research result, it can be concluded that the obstacles faced during aviation delivery delivery include: fleet to transport limited aviation, human resources must be competent, and the length of time waiting for the readiness of aviation fuel. The existence of constraints during the aviation fuel delivery takes place to make PT. Pertamina Trans Continental Branch Surabaya take action to reduce these constraints by building cooperation with various parties that support the continuity of aviation fuel supply chain.

***Key words:** optimization, delivery system, supply chain management, aviation fuel*