ABSTRACT

PT Dirgantara Indonesia continues to develop new products to meet the needs of the participating airlines. One of the important aspects in the development of security and comfort factor is the aircraft for passengers. In the design of the aircraft N245 PT Dirgantara Indonesia through the division of the design center focus on some part of the aircraft facilities including the kitchen an airplane or commonly called with Galley.

Design Galley modular which is one of the way to answer the problem on while configuration or customization Galley. The design of the approach that divides the system into smaller sections called modules that can be independently and then used in a different system. A modular system can be marked with the functional partitions into discrete measured , the module can be used to return , in the module interface explain with good, this research illustrate effective method to support the designers who have not experienced to analyze. This research on designing the use the Contact method and Channel Model.

The approach model C&CM using two basic elements namely, Working Surface Pairs (WSP) and Channel and Support Structures (CSS).The design concept of this Galley begin with the collection of data about the dimensions and specifications of the Galley N245. After the obtained preliminary data about the dimensions and specifications of the beginning, then continued with the classification of the function of the four sub-a different function including basic function, additional functions, a special function and adaptive function. Then continued decompositions products to identify the needs of different or functionality.. After the interaction has been calculated, grouping (clustering) elements into the chunk. The final output of this research is the design of the galley with modular specification that includes the product scheme, grouping elements, and the identification of the interaction of the components

***Keywords** : galley, contact and channel model, integration analysis, modular, chunk, clustering.*