Indonesia is a maritime country with an area of ocean larger than the land area of 3,257,483 km², it is making an impact. Among other negative impacts are more and more ocean untreated eventually lead to marine natural resources become contaminated, in addition to the role of the government is needed to support the survival of fishermen. Researchers are interested in knowing the pattern of living clean and healthy behaviors (PHBS) household food security fisherman based in Surabaya coastal mapping using Chernoff Face. Source of data used are primary data with survey data collection. By using simple random sampling, 198 respondents were then obtained from the District Bulak, Kenjeran and Mulyorejo. The results of this study is on the characteristics of fishing households by age, education, household size, income and expenses as well as the condition of homes. Determination classification Clean and Healthy Behavior (PHBs) for the classification of healthy largest full moon of 48.5% and 51.6% in the District Kenjeran and Bulak, while Mulyorejo districts are at a healthy self-classification of 62.5%. Chernoff face mapping using the overall appearance of the face there are similarities between the districts, but the most striking difference is in the exclusive breastfeeding. Mulyorejo districts are the lowest in breastfeeding.

Keywords: PHBS, Food Security, Chernoff Face