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Location of weather radar is very important for the development of weather radar is to support services Aviation and Meteorological Early Warning System (MEWS). The topography of Indonesia is surrounded by mountains gives problems on optimization range weather radar observations, so some radar site can not deliver maximum added value in both aspects. This has attracted writers for assessing the effectiveness of determining the location of a weather radar observations dengan consider this aspect and how the weather radar system at a location associated with the maximum coverage area of weather radar observation and topographical conditions in the region. Coverage Analysis is done by utilizing the tools Coverage Analysis on Rainbow DART application of Selex Gematronik and analysis of the operating environment as well as other supporting data that exists in every site that becomes the survey area. Coverage results with analysis that illustrates the extent of the radar observation area is very helpful in determining the best site selection on weather radar site survey.