**ABSTRACT**

*At the district head office. Durian shop that does not have a data security system.*

*With this research discusses how to secure data using cryptography. There are various types of data at the subdistrict head office. A durian shop that needs to be kept secret. Namely data on aid recipients, data on aid, data on spending plans, and other letters, so there is a need for understanding and knowledge of cryptography so that security is maintained in the data in the district head office.*

*Security is one that everyone wants when communicating and when sending data that contains important messages.*

*Therefore, a Rives Code 4 (RC4) algorithm system will be built on desktop-based cryptography to secure the data of aid recipients. Cryptography is a process of encrypting / disguising data that aims to secure confidential data or information.*