

Abstract

File and data transfer through the computer network progressively expand. File, which is transferred, have necessary meaning for its consumer, so the information and data in this file must be consistent. In fact, file is damage sometime. It is very harming because the information needed uncovered. Therefore, it is important to make a mechanism that is able to repair and return the information from the damage file. The topic in this final assignment is about recovery file after it delivered. Corrupted file can be recovered. It uses genetic algorithm for the recovery. Genetic Algorithm basicly is a computer program that stimulates evolution process. In this case, population from chromosome is build randomly and it is possible to reproduce according to the law of evolution with an expectation it will produce a high quality of an individual chromosome. In fact, this chromosome is a candidate for problem solving. The result that expected is a file matching with its genuine.

Keywords : Recovery, Genetic Algoritithm, File, Chromosom.