Housing problem, which occurs after disasters, is needing urgent attention. Earthquake is the most important one of the disasters in Turkey, like many place rest of the world. A large number of buildings damaged and collapsed after the earthquakes, so the victims need to shelter to provide their needs. In this state private organizations are located in the emergency relief problem. To eliminate this problem as effectively cooperative game theory is used in this paper. Our study shows that cooperative game theory can help us to define a fair cost allocation between private organizations for supporting the housing problem by using facility location games.