

## **CHAPTER IV**

### **CONCLUSION AND RECOMMENDATION**

#### **4.1 Conclusion**

Iron sand mining activities in Cikalong Sub-District, Tasikmalaya Regency, have several impacts on the physical and social environment of the community, both positive and negative impacts. The impact on the physical environment is the change of soil structure, the occurrence of air pollution in the form of dust, some of the village roads become damaged, the cut off of the ground water flow, the comfort and safety of the environment is reduced, the change of land use, the decrease of water availability, the loss of some beautiful and cool scenery, as well as irregular and hollow land.

The positive impacts of the socio-economic aspects felt by the people are to reduce the number of unemployed, the increase of income from farm laborers to labour in sand mining and the inclusion of routine money for the cadets who manage the retribution. Negative impacts of the socioeconomic aspects that are felt on the mining community are the lack of security at work so often cause accidents such as fractures or fractures or minor injuries to the feet, hands, eyes or respiratory disorders.

## **4.2 Recommendation**

With the impact of iron sand mining activities in the form of physical impacts and socio-economic impacts both positive and negative, it is necessary an effort to manage the environment so that negative impacts are not widespread or increasingly severe. Physical impacts of environmental damage must be addressed in an integrated manner under the responsibility of Bappedalda (Regional Environmental Impact Management Agency) and Department of Forestry and Plantation and KSDA (Natural Resource Conservation) so that the land recovered in accordance with its intended use. The local government must strictly enforce the policy of land reclamation obligations to mining entrepreneurs.

Environmental management of iron sand mining location in Cikalong Sub-district at every stage of its activities since planning, implementation, monitoring, evaluation and reporting, must always involve the local community in a concrete and real way so that the realization of community empowerment can be realized. One possible environmental management model is the environmental management plan of the sand mining site to be one of the agro-tourism sites in Cikalong Sub-district. Development activities with community empowerment does take a long time and funding is not small, but success in any program will be realized in a real and sustainable way.