

Study on The Effect of The Project Nitrogen Fertilizer Use on Groundwater Pollution (Case Study On The Young Volcanic Deposits Areas, Cianjur, West Java)

Eko Kusratmoko, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=76603&lokasi=lokal>

Abstrak

The result of my previous study in alluvial deposits areas (Kabupaten Subang, West Java) has shown the high concentration of nitrogen compounds (ammonium and nitrate) on shallow groundwater. While the presence of nitrogen compounds on groundwater will cause negative impact, especially for human health and water ecosystem. The research project is important to be done, because the permeability of aquifer layer in the research areas {young volcanic deposits) was higher than the alluvial deposits areas. More than 80 percent population in the research areas uses shallow groundwater and springs. They utilized without treatment, while the capability of Municipal Water Corporation to meet their needs is very limited.