

## V. CONCLUSION AND SUGGESTION

### 5.1 Conclusion

Based on the research that has been conducted, it can be concluded:

1. There are 14 isolates obtained from the Cupak and Batu Bajanjang Geothermal Area in Solok Regency, and all isolates indicate protease enzyme production with the highest proteolytic index value at TUA-114, which is 8.17 mm.
2. The partial characterization conducted on 4 bacterial isolates with the Proteolytic Index showed varied results. Isolate TUA-104 is a Gram-positive bacterium, rod-shaped, spore-forming, catalase positive, and motile, whereas isolates TUA - 106, TUA - 109, and TUA – 114 are gram-negative, catalase positive, and also motile.

### 5.2 Suggestion

The recommendation from this study is that further research should be conducted for molecular identification of isolates and optimization of enzyme production from Cupak and Batu Bajanjang Geothermal Area, Solok Regency

