

V. CONCLUSION AND SUGGESTION

5.1 Conclusion

Based on the research result, it can be concluded that:

1. Optimum temperature for isolates EUA-124 and EUA-126 in producing protease is 34° C. The optimum pH for isolate EUA-124 in producing protease is 7 and the optimum pH for isolate EUA-126 in producing protease is 6.

2. Protease production by isolate EUA-124 increased by 8.621% and protease production by isolate EUA-126 increased by 3.334%.

5.2 Suggestion

Based on the research result, it is suggested to conduct further research by adding more variables to optimize enzyme production, such as salinity variation, source of carbons and substrate concentration variation that can increase enzyme activity of the isolate and optimization of the enzyme should also be carried out to increase protease activity of the enzyme.

