

CHAPTER V. CONCLUSIONS SUGGESTIONS

5.1 Conclusion

1. All three samples namely Fresh Digestate, Old Digestate, and Chicken Manure are indicated to contain and grow *Pseudomonas aeruginosa* in isolation on Cetrimide Agar media.
2. Partial characteristic tests were carried out macroscopically and microscopically from the three samples found *Pseudomonas aeruginosa* growth and obtained all colonies yellowish to greenish colour, elongated round shape, smooth and slightly wavy edges, and flat elevation. Gram staining test obtained Gram negative results and rod/bacill shape. Biochemical tests carried out obtained positive catalase and positive oxidase. Motility test obtained positive motile.

5.2 Suggestion

Further research is recommended to conduct a more complete characterization of the pathogenic bacterial isolates and conduct molecular identification of bacteria.

