CHAPTER V

CONCLUSIONS AND RECOMMENDATION

5.1 Conclusions

Reduction of silver ions by two different procedures give different results. Ultraviolet irradiation can reduce silver ion underneath polyimide surface but chemical reduction reduces silver ion near/on polyimide surface. Polyimide surface that was irradiated to form silver layer is not conductive due to large distance between silver nanopaticles formed on the surface. Strong base solution is effective in the removal of silver nanoparticles from the polyimide surface, which can solve the blocking effect from the particles on the surface and enables the formation of polyimide.

5.2 Recommendations for future work

1.) Localized reduction of silver ions in/on the polyimide surface by ultraviolet irradiation via cycle irradiation.
2.) Investigate the effect of concentration and time for the immersion of KOH solution in each cycle of the deposition.