

## CHAPTER V

### CONCLUSION

This study can be concluded that

1. The condensation reaction between rhodanine and aldehyde gives a good yield when anhydrous sodium acetate in glacial acetic acid is used as the condensing agent.
2. 2-Oximino-5-arylmethylene-4-thiazolidinones can be synthesized from reaction of 5-arylmethylene rhodanines with hydroxylamine.
3. 2-Phenylimino-5-benzylidene-4-thiazolidinone can be synthesized from reaction of 5-benzylidenerhodanine with aniline.
4. 2-Phenylhydrazino-5-benzylidene-4-thiazolidinone can be synthesized from reaction of 5-benzylidene rhodanine with phenylhydrazine.

5. With the evidences of IR-Absorption,  $^1\text{H-NMR}$  and Mass spectra, it can be concluded that the reactions take place at the carbon atom position 2 of thiazolidine ring and convert the sulfur of the thione group to imino group and also has the evolution of  $\text{H}_2\text{S}$  during reaction.



ศูนย์วิทยทรัพยากร  
จุฬาลงกรณ์มหาวิทยาลัย