

CHAPTER 5

Conclusion

From the result presented in this thesis, it was concluded that:

1. The tensile strength of crosslinked chitosan films decreased with glutaraldehyde concentration and crosslinking time compared to uncrosslinked chitosan films.
2. The crosslinked chitosan films with 0.02% w/w glutaraldehyde concentration and 20 minutes of crosslinking time showed the highest tensile strength.
3. The degree of crosslinking of chitosan films increased with increasing glutaraldehyde concentration and crosslinking time.
4. The glutaraldehyde crosslinked chitosan films showed good resistance to non polar solvents.

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย