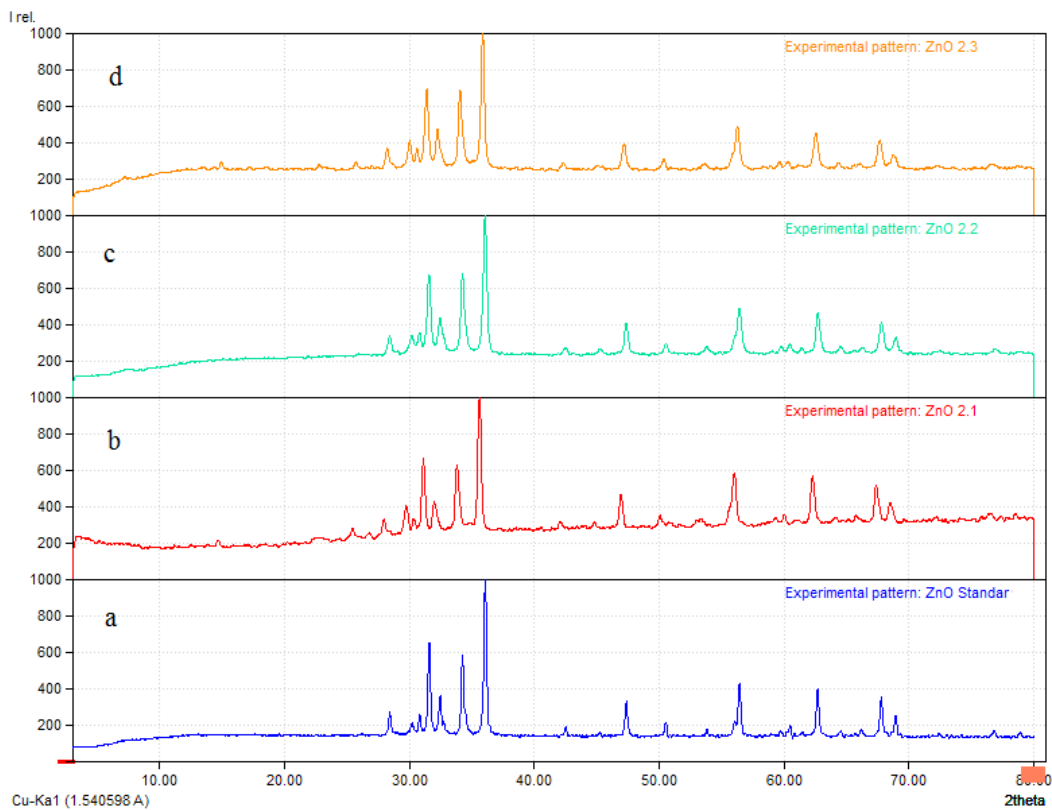


Gambar 8. Pola Difraksi ZnO NPs standar (a) dan ZnO NPs dengan Prekursor 0,05 M pada pH (b) 7, (c) 8, dan (d) 9.



Gambar 9. Pola Difraksi ZnO NPs standar (a) dan ZnO NPs dengan Prekursor 0,1 M pada pH (b) 7, (c) 8, dan (d) 9.









- Senthilkumar, S.R. & T. Sivakumar. 2014. Green tea (*Camellia sinensis*) mediated synthesis of zinc oxide (ZnO) nanoparticles and studies on their antimicrobial activities. *Int J Pharm Sci.* 6: 461-465.
- Sharma, A., S. Sharma & K. Sharma. 2015. Algae as crucial organisms in advancing nanotechnology : a systematic review. *J Appl Phycology.* 1:1-16.
- Song, J.Y., H.K. Jang & B.S. Kim. 2009. Biological synthesis of gold nanoparticles using *Magnolia kobus* and *Diopyros kaki* leaf extracts. *Process Biochem.* 44:1133–1138.
- Susanto H., Y. Feng & M. Ulbricht. 2009. Fouling behavior of aqueous solutions of polyphenolic compounds during ultrafiltration. *J Food Eng.* 91:333–340.
- Tournebize, J., A. Boudier, O. Joubert, H. Eidi, G. Bartosz, P. Maincent, P. Leroy & A. Sapin. 2012. Impact of gold nanoparticle coating on redox homeostasis. *International Journal of Pharmaceutics.* 438:107-116.
- Tsuzuki, T. 2009. Commercial scale production of inorganic nanoparticles. *International Journal of Nanotechnology.* 6: 5567-578.
- Vaseem, M., Umar A, Hahn Y. 2010. ZnO Nanoparticles : Growth , Properties , and Applications. *Metal Oxide Nanostructures and Their Applications.* 5:1-36
- Vijayan, S.R., P. Santhiyagu, M. Singamuthu, N.K. Ahila, R. Jayaraman & K. Ethiraj. 2014. Synthesis and characterization of silver and gold nanoparticles using aqueous extract of seaweed, *Turbinaria conoides*, and their antimicrofouling activity. *The Scientific World Journal.* Article ID 938272: 1-10.
- Vimala, K., S. Sundarraj, M. Paulpandi, S. Vengatesan & S. Kannan. 2014. Green synthesized doxorubicin loaded zinc oxide nanoparticles regulates the Bax and Bcl-2 expression in breast and colon carcinoma. *Process Biochemistry.* 49: 160-172.
- Wang, H., J. Xie, K. Yan & M. Duang. 2011. Growth mechanism of different morphologies of ZnO crystals prepared by hydrometals method. *J. Mater. Sci. Technology.* 27: 153-158
- Wu, Y.L., A.I.Y. Tok, F.Y.C. Boey, X.T. Zeng & X.H. Zhang. 2007. Surface modification of ZnO nanocrystals. *J. Applied Surface Science.* 253: 5473–5479.
- Yadav, R.S., M. Priya & C.P. Avinash. 2008. Growth mechanism and optical property of ZnO nanoparticles synthesized by sonochemical method. *Ultrasonics Sonochemistry.* 15: 863-868.
- Zhou, H., H. Alves, D.M. Hofmann, B.K. Meyer, G. Kaczmarczyk, A. Hoffmann & C. Thomsen. 2002. Effect of the (OH) surface capping on ZnO quantum dots. *J. phys.* 229: 825-828.