

บทที่ 6

ผลผลิต (Output)

บทนี้จะกล่าวถึงผลผลิตที่ได้การวิจัย ซึ่งมีทั้งผลงานวิจัยที่ตีพิมพ์ในวารสารระดับนานาชาติและผลงานวิจัยที่นำเสนอในที่ประชุมวิชาการ

6.1 ผลงานวิจัยที่ตีพิมพ์ในวารสารระดับนานาชาติ

6.1.1 **S. Wacharawichanant**, S. Thongyai, T. Siripattanasak, T. Tipsri, “Effect of mixing conditions and particle sizes of titanium dioxide on mechanical and morphological properties of polypropylene/titanium dioxide composites”, *Iranian Polymer Journal* 2009; 18: 607-616.

6.1.2 N. Wiriyankul, **S. Wacharawichanant**, “Effect of compatibilizers on mechanical thermal and morphology properties of HDPE/TiO₂ nanocomposites”, *Advanced Materials Research* 2010; 93-94: 169-172.

6.1.3 **S. Wacharawichanant**, N. Thongbunyoung, P. Churdchoo, T. Sookjai, “Effect of zinc oxide on the morphology and mechanical properties of poly(styrene-co-acrylonitrile)/poly(methyl methacrylate)/zinc oxide composites”, *Science Journal Ubon Ratchathani University*, 2010, 1(2): 21-26.

6.2 ผลงานวิจัยที่นำเสนอในที่ประชุมวิชาการ

6.2.1 N. Wiriyankul, **S. Wacharawichanant**, S. Thongyai, “Effect of particle sizes of TiO₂ on morphology and mechanical properties of HDPE/TiO₂ nanocomposites”, *Pure and Applied Chemistry International Conference 2009 (PACCON 2009)*, Phitsanulok, Thailand, January 14-16, 2009.

6.2.2 T. Sanitchai, **S. Wacharawichanant**, S. Thongyai, “The effect of compatibilizers on morphology and mechanical properties of polypropylene/zinc oxide nanocomposites”, *Pure and Applied Chemistry International Conference 2009 (PACCON 2009)*, Phitsanulok, Thailand, January 14-16, 2009.

6.2.3 T. Sanitchai, **S. Wacharawichanant**, S. Thongyai, “Effect of compatibilizer on mechanical properties of polypropylene/zinc oxide nanocomposites”, *16th ASEAN Regional Symposium on Chemical Engineering (RSCE 2009)*, Manila, Philippines, December 1-2, 2009.

6.2.4 N. Wiriyanukul, **S. Wacharawichanant**, “Effect of compatibilizers on mechanical thermal and morphology properties of HDPE/TiO₂ nanocomposites”, *International Conference on Functionalized and Sensing Materials 2009 (FuSeM 2009)*, Bangkok, Thailand, December 7-9, 2009.

6.2.5 **S. Wacharawichanant**, N. Thongbunyoung, P. Churdchoo, T. Sookjai, “Effect of zinc oxide on the morphology and mechanical properties of poly(styrene-co-acrylonitrile)/poly(methyl methacrylate)/zinc oxide composites”, *Pure and Applied Chemistry International Conference 2010 (PACCON 2010)*, Ubon Ratchathani, Thailand, January 21-23, 2010.