## MULTICELLULAR TUMOR SPHEROID (MCTS) CULTURE OPTIMIZATION OF HT-1080 FOR THE DETECTION OF MATRIX METALLOPROTEINASE 2 AND 9 (MMP-2 AND -9)

By Anindita Rochili 14010052

Submitted to

i3L – Indonesia International Institute for Life Sciences School of Life Sciences

In partial fulfillment of the requirements for the Bachelor of Science in Bio Medicine

Thesis Advisor: Cristina Gomez Suarez, Ph.D.

Jakarta, Indonesia 2018