

**FABRICATION OF LEAD –FREE PIEZOELECTRIC TERNARY CERAMICS
SYSTEMS BASED ON BISMUTH SODIUM TITANATE-BISMUTH
POTASSIUM TITANATE PREPARED USING THE COMBUSTION
TECHNIQUE**

RATTIPHORN SUMANG

**A Thesis Submitted to the Graduate School of Naresuan University
In Partial Fulfillment of the Requirements
for the Doctor of Philosophy Degree in Applied Physics**

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Thesis entitled “Fabrication of Lead-Free Piezoelectric Ceramic Ternary System Based
on Bismuth Sodium Titanate-Bismuth Potassium Titanate Prepared Using the
Combustion Technique”

by Ms.Rattiphorn Sumang

has been approved by the Graduate School as partial fulfillment of the requirements
for the Doctor of Philosophy Program in Applied Physics of Naresuan University

Oral Defense Committee

..... *A. Rittidech* Chair
(Associate Professor Aurawan Rittidech, Ph.D.)

..... *Theerachai Bongkarn* Advisor
(Assistant Professor Theerachai Bongkarn, Ph.D.)

..... *Thirane Khumlumert* Co-Advisor
(Assistant Professor Thirane Khumlumert, Ph.D.)

..... *Nipaphat Charoenthai* Co-Advisor
(Assistant Professor Nipaphat Charoenthai, Ph.D.)

..... *S. Thoutom* Co-Advisor
(Sarawut Thoutom, Ph.D.)

..... *Kachain Dangudom* Internal Examiner
(Assistant Professor Kachain Dangudom, Ph.D.)

..... *Naratip Vittayakorn* External Examiner
(Assistant Professor Naratip Vittayakorn, Ph.D.)

..... **Approved**
Panu Putthawong
(Panu Putthawong, Ph.D.)

Associate Dean for Administration and Planning
for Dean of the Graduate School

31 OCT 2014