# APPENDIX

#### APPENDIX A

#### List of experts who evaluated the research tools for collecting data

- 1. Assistant Professor Dr. Chatree Faikhamta Kasetsart University, Bangkok
- Dr. Pramuan Siripunkhaw
  The Institute for the Promotion of Teaching Science and Technology, Bangkok
- 3. Dr. Pornchai Inchai

The Institute for the Promotion of Teaching Science and Technology, Bangkok

# APPENDIX B

The research tools for collecting data

# APPENDIX C

Participating schools in Thailand

# APPENDIX D

Photos of classroom observations

#### APPENDIX E

Invitation to attend of meeting of collaborative research project

#### APPENDIX D

**Research Proposal**