

## ເອກສາຮ້າງອົງ

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## Output ที่ได้จากการวิจัย

### 1. ผลงานวิจัยตีพิมพ์

- **Choodum A.**, Kanatharana P., Wongniramaikul W., and Nic Daeid N., A sol-gel colorimetric sensor for methamphetamine detection, *Sensor and Actuator Part B*. 2015 (215) 553-560. (ภาคผนวกที่ 1)
- **Choodum A.** Kaewalee Parabun, Nantikan Klawach, Niamh Nic Daeid, Proespichaya Kanatharana, Worawit Wongniramaikul, Real time quantitative colourimetric test for methamphetamine detection. *Forensic Science International*, 2014 (235) 8-13. (ภาคผนวกที่ 2)

### 2. การนำผลงานวิจัยไปใช้ประโยชน์

หัวหน้าโครงการวิจัยได้นำเสนอผลการวิจัยโครงการ “การพัฒนาเซนเซอร์แบบตรวจวัดสีบนโทรศัพท์เคลื่อนที่สำหรับตรวจวัดเมทแอมเฟตามีนภาคสนาม” ในกิจกรรมดุงานและแลกเปลี่ยนเรียนรู้ร้ายトイโครงการวิเคราะห์และออกแบบนวัตกรรมเพื่อการบริหารสถานบันพัฒนาการสอบสวนคดีพิเศษ ณ คณะเทคโนโลยีและสิ่งแวดล้อม มหาวิทยาลัยสงขลานครินทร์ วิทยาเขตภูเก็ต เมื่อวันที่ 1 เมษายน 2558 (ภาคผนวกที่ 3)

### 3. ต้นแบบสำหรับการจำหน่วยเชิงพาณิชย์ (ภาคผนวกที่ 4)