**งานวิจัยในชั้นเรียน**

**เรื่อง**

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**ชื่อสกุล ............................**

**ตำแหน่ง ...................................................**

**วิทยาลัยอาชีวศึกษาภูเก็ต**

**สถาบันการอาชีวศึกษาภาคใต้ 2**

**สำนักงานคณะกรรมการการอาชีวศึกษา**

**คำนำ**

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(.................ชื่อ-สกุล............)

**สารบัญ**

| **เรื่อง** | **หน้า** |
| --- | --- |
| **คำนำ** | **ก** |
| **สารบัญ** | **ข** |
| **บทที่ 1 บทนำ** |  |
|  ที่มาและความสำคัญของปัญหา | 1 |
|  วัตถุประสงค์ของการวิจัย |  |
|  ขอบเขตของการวิจัย |  |
|  สมมุติฐานของการวิจัย |  |
|  นิยามศัพท์เฉพาะ (ถ้ามี) |  |
|  ประโยชน์ที่คาดว่าจะได้รับ |  |
| **บทที่ 2 เอกสารและงานวิจัยที่เกี่ยวข้อง** |  |
|  ทฤษฎีที่เกี่ยวข้อง  |  |
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| **บทที่ 3 การดำเนินการ** |  |
|  วิธีการดำเนินการด้วยกระบวนการ PLC |  |
| **บทที่ 4 ผลการวิเคราะห์ข้อมูล** |  |
| **บทที่ 5 สรุปผล อภิปราย และข้อเสนอแนะ** |  |
| **บรรณานุกรม** |  |
| **ภาคผนวก (ถ้ามี)** |  |

**บทที่ 1**

**บทนำ**

**ที่มาและความสำคัญของปัญหา**

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**วัตถุประสงค์ของการวิจัย**

 1.

 2.

 3.

**ขอบเขตของการวิจัย**

กลุ่มเป้าหมาย .......................................................................................................................

 นวัตกรรมที่ใช้ ......................................................................................................................

 ระยะเวลา ............................................................................................................................

**ประโยชน์ที่คาดว่าจะได้รับ**

 1.

 2

**บทที่ 2**

**เอกสารและงานวิจัยที่เกี่ยวข้อง**

**ทฤษฎีที่เกี่ยวข้อง**

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**งานวิจัยที่เกี่ยวข้อง**

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**บทที่ 3**

**การดำเนินการ**

**วิธีการดำเนินการด้วยกระบวนการ PLC**

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**บทที่ 4**

**ผลการวิเคราะห์ข้อมูล**

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**บทที่ 5**

**สรุปผล อภิปราย และข้อเสนอแนะ**

**สรุปผลการวิจัย**

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**อภิปรายผลการวิจัย**

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**ข้อเสนอแนะในการวิจัย**

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**บรรณานุกรม**

**ภาคผนวก**