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LIST OF ABBREVIATIONS

cm ³	Cubic centimetre
cm ²	Square centimetre
cm	Centimeter
FE	Finite element
g	Gram
hr	Hour
in.	Inch
kJ	Kilojoule
kg	Kilogram
kcal	Kilocalories
kWh	Kilowatt-hour
MJ	Megajoule
mg	Milligram
mm	Millimetre
m	Metre
m ²	Square metre
m ³	Cubic metre
ml	Millilitre
MPa	Megapascal
min	Minute
o.d.	Outside diameter
wt.	Weight

LIST OF SYMBOLS

$^{\circ}\text{C}$	Degree Celsius
$\text{Ca}(\text{OH})_2$	Calcium hydroxide
CaO	Calcium Oxide
E	Elastic modulus
HCl	Hydrochloric acid
MgO	Magnesium Oxide
N	Strain hardening exponent
R	Strength coefficient
R^2	R-square
SO_x	Sulfur oxide
$\%$	Percentile
ε	Natural strain
σ	Stress
η	Viscous coefficient
σ_f	friction loss

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ข้อความแห่งการริเริ่ม

คุษณินพนธ์นี้ได้ศึกษาความสัมพันธ์คอนสตีวทิฟและแบบจำลองเอ็มไพริกอล ของเชื้อเพลิงอัดเม็ด จากส่วนผสมของขยะพลาสติกและต้นข้าวโพด เพื่อศึกษาตัวแปรที่มีผลต่อการอัดเชื้อเพลิงอัดเม็ดจาก ขยะพลาสติกผสมและต้นข้าวโพด ได้แก่ อัตราส่วนผสมของขยะพลาสติกและต้นข้าวโพด ขนาดของ วัตถุดิบ ปริมาณความชื้นในวัตถุดิบ ความดันและอุณหภูมิของวัตถุดิบ เพื่อใช้เป็นข้อมูลพื้นฐานใน การวิจัยสำหรับการผลิตเชื้อเพลิงอัดเม็ดสำหรับใช้เป็นพลังงานทดแทนของประเทศต่อไป

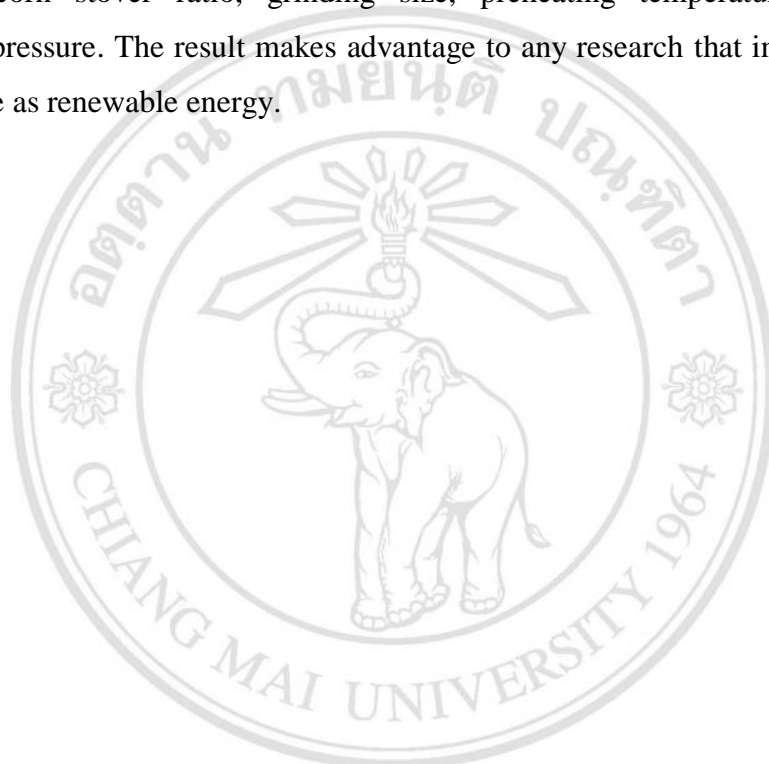


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STATEMENT OF ORIGINALITY

The thesis proposes Constitutive Relation and Empirical Model of Pellet from Plastic Waste-Corn Stover Mixture. The objectives are factors which affect to pelletization of mixed plastic waste and corn stover studying which are The moisture content, mixed plastic and corn stover ratio, grinding size, preheating temperature and mold compression pressure. The result makes advantage to any research that improves pellet fuel which use as renewable energy.



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