



ISSN No. : 2321-9653

# iJRASET

International Journal for Research in Applied  
Science & Engineering Technology

iJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : [www.ijraset.com](http://www.ijraset.com), E-mail : [ijraset@gmail.com](mailto:ijraset@gmail.com)

## Certificate

*It is here by certified that the paper ID : IJRASET1664, entitled*

*Effects of Compression Ratio on Performance combustion and emission of a Single Cylinder 4- Stroke Compression Ignition Engine using Blends of Neat Karanja Oil with Diesel  
by  
P.P. Patnaik*

*after review is found suitable and has been published in*

*Volume 3, Issue II, February 2015*

*in*

*International Journal for Research in Applied Science &  
Engineering Technology*

*(International Peer Reviewed and Refereed Journal)*

*Good luck for your future endeavors*

*By [Signature]*

Editor in Chief, iJRASET

JISRA  
JIF

ISRA Journal Impact  
Factor: 7.429

45.98  
INDEX COPERNICUS

THOMSON REUTERS  
Researcher ID: N-9681-2016

doi 10.22214/iJRASET  
cross ref

Scopus  
TOGETHER WE REACH THE GOAL  
SJIF 7.429



ISSN No. : 2321-9653

# iJRASET

International Journal for Research in Applied  
Science & Engineering Technology

iJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : [www.ijraset.com](http://www.ijraset.com), E-mail : [ijraset@gmail.com](mailto:ijraset@gmail.com)

## Certificate

*It is here by certified that the paper ID : IJRASET1664, entitled*

*Effects of Compression Ratio on Performance combustion and emission of a Single Cylinder 4- Stroke Compression Ignition Engine using Blends of Neat Karanja Oil with Diesel*  
by

*S.K. Acharya*

*after review is found suitable and has been published in  
Volume 3, Issue II, February 2015  
in*

*International Journal for Research in Applied Science &  
Engineering Technology  
(International Peer Reviewed and Refereed Journal)  
Good luck for your future endeavors*

*By [Signature]*

Editor in Chief, iJRASET

 ISRA

ISRA Journal Impact  
Factor: 7.429



45.98

INDEX COPERNICUS



THOMSON REUTERS  
Researcher ID: N-9681-2016



TOGETHER WE REACH THE GOAL  
SJIF 7.429



ISSN No. : 2321-9653

# iJRASET

International Journal for Research in Applied  
Science & Engineering Technology

iJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : [www.ijraset.com](http://www.ijraset.com), E-mail : [ijraset@gmail.com](mailto:ijraset@gmail.com)

## Certificate

*It is here by certified that the paper ID : IJRASET1664, entitled*

*Effects of Compression Ratio on Performance combustion and emission of a Single Cylinder 4- Stroke Compression Ignition Engine using Blends of Neat Karanja Oil with Diesel  
by*

*S.N. Behera*

*after review is found suitable and has been published in  
Volume 3, Issue II, February 2015  
in*

*International Journal for Research in Applied Science &  
Engineering Technology  
(International Peer Reviewed and Refereed Journal)  
Good luck for your future endeavors*

*By [Signature]*

Editor in Chief, iJRASET

JISRA  
JIF

ISRA Journal Impact  
Factor: 7.429

45.98  
INDEX COPERNICUS

THOMSON REUTERS  
Researcher ID: N-9681-2016

doi 10.22214/IJRASET  
cross ref

Scopus  
TOGETHER WE REACH THE GOAL  
SJIF 7.429