



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, E-mail : ijraset@gmail.com

ISRA
JIF

ISRA Journal Impact
Factor: 7.429



45.98
INDEX COPERNICUS



THOMSON REUTERS
Researcher ID: N-9581-2016



10.22214/IJRASET



TOGETHER WE REACH THE GOAL
SJIF 7.429

Certificate

It is here by certified that the paper ID : IJRASET19341, entitled
CFD Analysis of De Laval Nozzle Geometry & Effect of Gas Pressure Variation at the
Entrance

by
Ahmed H. Osman

after review is found suitable and has been published in
Volume 6, Issue XII, December 2018
in

By [Signature]

Editor in Chief, IJRASET

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



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, E-mail : ijraset@gmail.com

ISRA
JIF

ISRA Journal Impact
Factor: 7.429



45.98
INDEX COPERNICUS



THOMSON REUTERS
Researcher ID: N-9581-2016



TOGETHER WE REACH THE GOAL
SJIF 7.429

Certificate

It is here by certified that the paper ID : IJRASET19341, entitled
CFD Analysis of De Laval Nozzle Geometry & Effect of Gas Pressure Variation at the
Entrance

by
Hesham E. Abdelhameed

after review is found suitable and has been published in
Volume 6, Issue XII, December 2018
in

By [Signature]

Editor in Chief, IJRASET

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



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, E-mail : ijraset@gmail.com

ISRA
JIF

ISRA Journal Impact
Factor: 7.429



45.98
INDEX COPERNICUS



THOMSON REUTERS
Researcher ID: N-9581-2016



TOGETHER WE REACH THE GOAL
SJIF 7.429

Certificate

*It is here by certified that the paper ID : IJRASET19341, entitled
CFD Analysis of De Laval Nozzle Geometry & Effect of Gas Pressure Variation at the
Entrance*

*by
Hamza Hassan Ahmed Mohamed Sobh*

*after review is found suitable and has been published in
Volume 6, Issue XII, December 2018
in*

By [Signature]

Editor in Chief, IJRASET

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