A. **Pengalaman Penelitian Dalam 5 Tahun Terakhir**
(Bukan Skripsi, Tesis, maupun Disertasi)

No.	Tahun	Judul Penelitian	Pendanaan	
			Sumber*	Jml (Juta Rp)
1	2018	Upaya Reduksi Corner Stall Pada Aliran Dekat Dinding Melalui Penambahan Turbulent Vortex Generator	Kemenristek Dikti	50
2	2017	Upaya Reduksi Corner Stall Pada Aliran Dekat Dinding Melalui Penambahan Turbulent Vortex Generator	Kemenristek Dikti	57
3	2014	Reduksi Kerugian Sekunder Pada Daerah Interaksi Antara Airfoil Dengan Pelat Datar Melalui Penambahan *Foward Facing Step Turbulator* (FFST) Tahun 2	Hibah Laboratorium	40
4	2013	Reduksi Kerugian Sekunder Pada Daerah Interaksi Antara Airfoil Dengan Pelat Datar Melalui Penambahan *Foward Facing Step Turbulator* (FFST) Tahun 1	Hibah Laboratorium	40

B. **Pengalaman Pengabdian Kepada Masyarakat dalam 5 Tahun Terakhir**

No.	Tahun	Judul Pengabdian Kepada Masyarakat	Pendanaan	
			Sumber*	Jml (Juta Rp)
1	2020	Assesment Roll in-out Heat Exchanger PT. IP Labuan		
2	2019	Assesment C3WP di PT. IP Suralaya 8		
3	2015	IbM KELOMPOK MASYARAKAT DUSUN	IbM DIKTI	
4	2014	Trainer on Basic training of centrifugal Compressor, PT. Pupuk Sriwijaya, Palembang		
5	2014	Trainer on Training of "Introduction of Gas Turbine", PT PJB (PLN) Surabaya		

C. **Publikasi Artikel Ilmiah Dalam Jurnal dalam 5 Tahun Terakhir**

No.	Judul Artikel Ilmiah	Nama Jurnal	Volume/Nomor/Tahun
1	The Effect of Adding FFST on Secondary Flow Characteristics Near Endwall of symmetry	International Journal of Applied Mathematics &	Volume 53, Issue 5 , (2015) ISSN 0973 - 1377 (Print), ISSN 0973 - 7545 (on line)

	Airfoil (Case Study of different camber)	Statistics	
2	Study Of The Secondary Flow Structures Caused The Addition Forward Facing Step Turbulence Generated Case Study: Horseshoe Vortex Between 9c7/32.5c50 Body And Endwall	Advances and Applications in Fluid Mechanics	Volume 18, Issue 1 , Pg 129 - 144 (May, 2015) Pushpa Publishing House, Allahabad, India ISSN 0973 - 4686
3	Plane Wall Effect of Flow around Two Circular Cylinders in Tandem Arrangement	The Journal for Technology and Science	Vol. 22, No. 1, February 2011
4.	"Reduction Of Energy Losses In The End wall Junction Area Through The Addition Of Forward Facing Step Turbulent Generator"	Journal Applied Mechanics and Materials	Vol. 493 pp 256-261 © (2014) Trans Tech Publications, Switzerland doi : 10.4028 / www.scientific.net/AMM.493.256
4.	"Numerical Study of Flow and Thermal Field on a Parallel Flow Vortex Tube"	Engineering	Volume 4 , No. 11, pp. 774-777. ISSN 1947-3931. (November 2012). Wake Forest University, USA

D. **Pemakalah Seminar Ilmiah (*Oral Presentation*) dalam 5 Tahun Terakhir**

No.	Nama Pertemuan Ilmiah / Seminar	Judul Artikel Ilmiah	Waktu dan Tempat
1	Seminar Nasional Inovasi dan Aplikasi Teknologi Berkelanjutan di Era Revolusi Industri 4.0	Kaji Eksperimental Portable Cool Box Menggunakan TEC1-12705 Cascade	2 Februari 2019, Malang
2	ICOME 2019, Innovative Science and Techonology in Mechanical Engineering for Industry 4.0	Numerical Study of Optimization Performance Induced Draft Fan Through Openings Setting The Inlet Guide Vane	28-29 Agustus 2019, Jogyakarta, Indonesia
3	ISST 2018, *The 4th International Seminar On Science And Technology*	3D Numerical Study of Vortex Rope to Predict Cavitation in Draft Tube of Francis Turbine at Part Load Operating Condition	09 Agustus 2018, ITS Surabaya
5	ISST 2018, *The 4th International Seminar On Science And Technology*	3-D Numerical Study of Circulating Fluidized Bed Boiler: Fluidization in Furnace and Cyclone with Load and Air Combustion Variations (Case Study of CFB Boiler 110 MW of Nagan Power Plant	09 Agustus 2018, ITS Surabaya

		PLN)	
6	*Seminar Nasional Pascasarjana XIV – ITS* ISBN 978-602-96565-7-2 Hal 480 - 485	Studi Karakteristik Separasi Aliran 3D Melintasi Bidang Tumpu Airfoil Asimetri *Camber* Kuat dengan Penambahan *Forward Facing Step Turbulator* (FFST), Studi Kasus Airfoil British **9C7/42.5C50**	07 Agustus 2014, ITS Surabaya
7	*Seminar Nasional Pascasarjana XIV – ITS* ISBN 978-602-96565-7-2 Hal 486 - 493	Studi Karakteristik Separasi Aliran 3D pada Bidang Tumpu Airfoil Asimetri British **9C7/22.5C50** dengan Penambahan Forward Facing Step Turbulator (FFST)	07 Agustus 2014