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**HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW***  
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Judul Jurnal Ilmiah (Artikel) : Engine Torque Control of Spark Ignition Engine using Fuzzy Gain Scheduling  
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 Status Pengusul : penulis ke-1  
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 b. Nomor ISSN : ISSN: 1693-6930, e-ISSN: 2302-9293  
 c. Vol, No., Bln Thn : Vol 10, No 1 March 2012, Page 83-90  
 d. Penerbit : Institute of Advanced Engineering and Science (IAES)/ Universitas Ahmad Dahlan, 4th Campus, 9th Floor, LPPI Room  
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Reviewer 2



Dr. Iwan Setiawan, S.T., M.T.  
 NIP. 197309262000121001  
 Unit Kerja : Teknik Elektro FT UNDIP

Reviewer 1



Dr. Wahyudi, S.T., M.T.  
 NIP. 196906121994031001  
 Unit Kerja : Teknik Elektro FT UNDIP

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- Kelengkapan unsur dan kualitas terbitan:** Kualifikasi jurnal internasional bereputasi yang layak.

Semarang,  
 Reviewer 1

Dr. Wahyudi, S.T., M.T.  
 NIP. 196906121994031001  
 Unit Kerja : Teknik Elektro FT UNDIP

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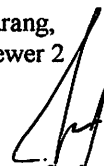
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- Kelengkapan unsur dan kualitas terbitan:** *Kualitas terbitan cukup baik*

Semarang,  
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Dr. Iwan Setiawan, S.T., M.T.  
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Engine torque control of spark ignition engine using fuzzy gain scheduling (Article)

Triwiyatno, A.<sup>a</sup> Nuh, M.<sup>b</sup>, Santoso, A.<sup>b</sup>, Nyoman Sutantra, I.<sup>c</sup>

<sup>a</sup>Department of Electrical Engineering, Diponegoro University, Indonesia  
<sup>b</sup>Department of Electrical Engineering, Sepuluh Nopember Institute of Technology, Indonesia  
<sup>c</sup>Department of Mechanical Engineering, Sepuluh Nopember Institute of Technology, Indonesia

Abstract

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In the spark ignition engine system, driver convenience is very dependent on satisfying engine torque appropriate with the throttle position given by the driver. Unfortunately, sometimes the fulfillment of engine torque is not in line with fuel saving efforts. This requires the development of high performance and robust power train controllers. One way to potentially meet these performance requirements is to introduce a method of controlling engine torque using fuzzy gain scheduling. By using this method, the throttle opening commanded by the driver will be corrected by throttle correction signal that guarantees engine torque output will follow the desired engine torque input, and also reducing fuel consumption. In this case, spark ignition engine with automatic transmission is used to meet a good performance under this controller design. © 2012 Universitas Ahmad Dahlan.

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Author keywords

Engine torque Fuzzy gain scheduling Spark ignition engine

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🔍 Triwiyatno, A.; Department of Electrical Engineering, Diponegoro University, Indonesia;  
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Journals

ISSN

16936930, 23029293

Coverage

2011-ongoing

Scope

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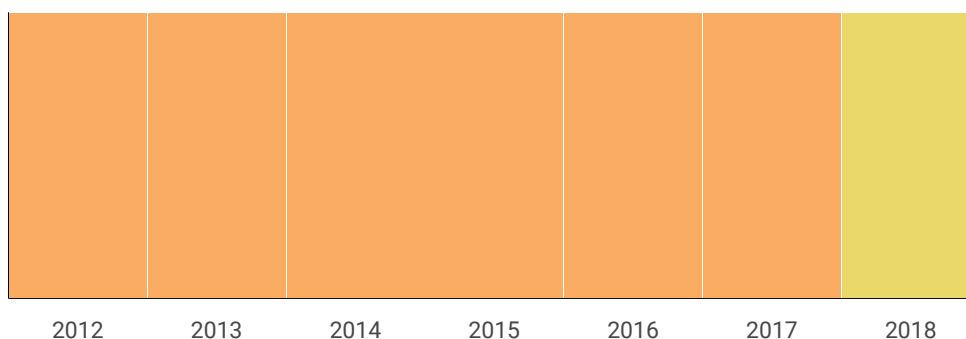
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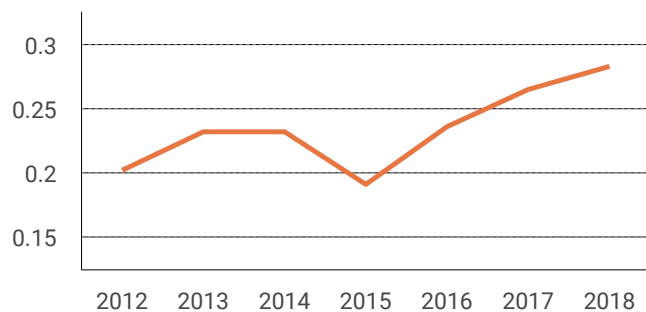
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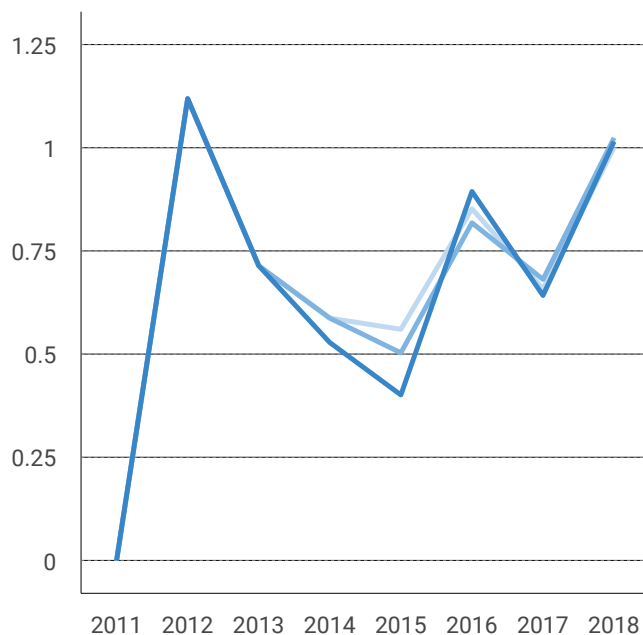
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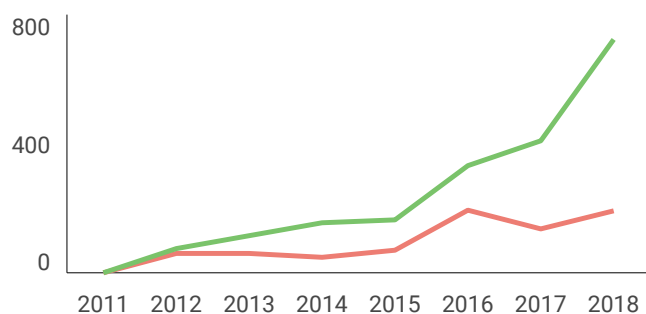
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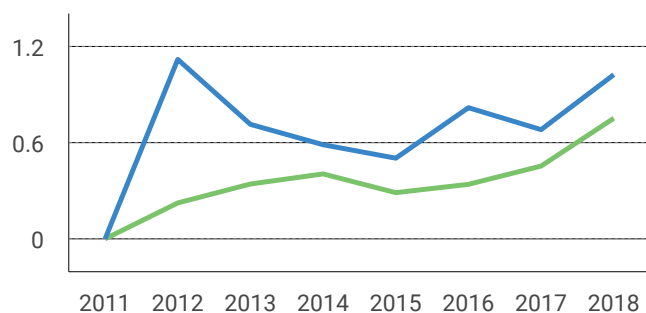


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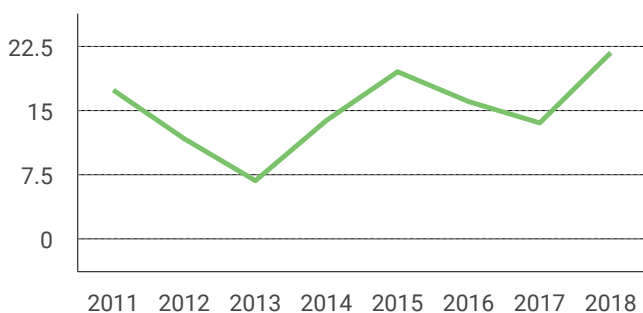


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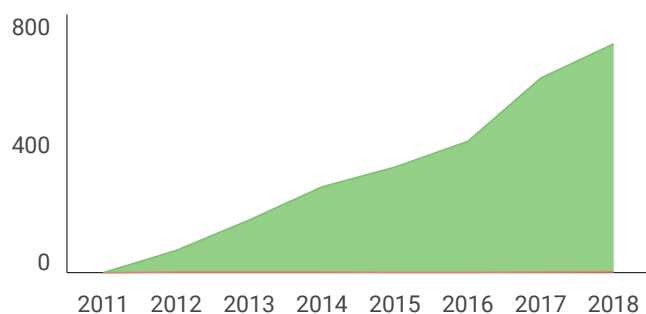
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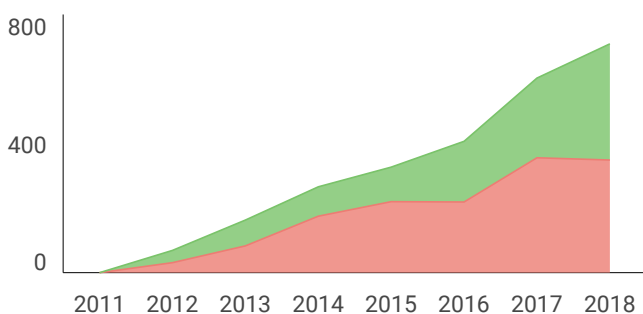
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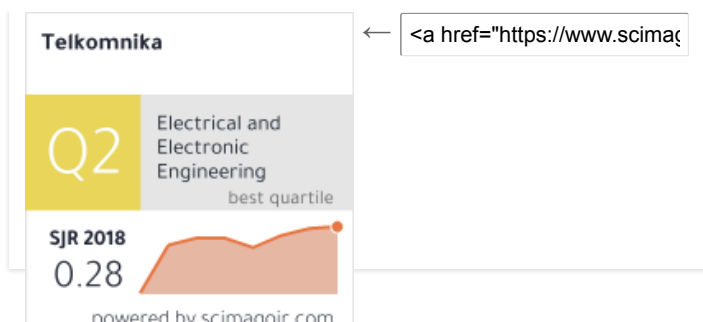


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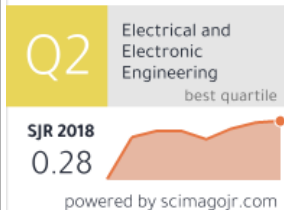
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