

**LEMBAR**  
**HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW**  
**KARYA ILMIAH : JURNAL ILMIAH**

Judul Jurnal Ilmiah (Artikel) : Short Communication: Genetic diversity of Ongole Grade Cattle of Rembang District, Central Java, Indonesia, based on blood protein polymorphism

Jumlah Penulis : 8 orang

Status Pengusul : penulis ke-1

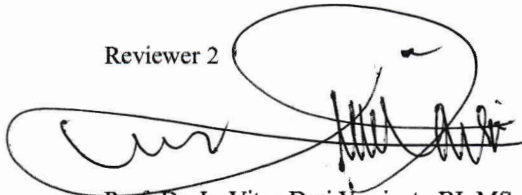
Identitas Jurnal Ilmiah : a. Nama Jurnal : BIODIVERSITAS  
 b. Nomor ISSN : ISSN 1412-033X E-ISSN 2085-4722  
 c. Vol, No., Bln Thn : Volume 19 (4) : 1429-1433, July 2018  
 d. Penerbit : Society for Indonesian Biodiversity  
 e. DOI artikel (jika ada) :  
 f. Alamat web jurnal : <http://biodiversitas.mipa.uns.ac.id/D/D1904.htm>  
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	Reviewer I	Reviewer II	
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c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	10.125	7.0	8.56
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<b>Total = (100%)</b>	<b>38.255</b>	<b>23</b>	<b>30.6275</b>
<b>Nilai Pengusul = (60% x 30.6275) = 18.3765</b>			

Reviewer 2



Prof. Dr. Ir. Vitus Dwi Yunianto BI, MS, M.Sc  
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 Unit kerja : Fakultas Peternakan dan Pertanian UNDIP

Reviewer I



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 NIP. 195605091983031001  
 Unit Kerja : Fakultas Peternakan dan Pertanian UNDIP

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Status Pengusul : penulis utama  
Identitas Jurnal Ilmiah : a. Nama Jurnal : BIODIVERSITAS  
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c. Volume, nomor, bulan tahun: Vol. 19 (4) : 1429-1433, July 2018  
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b. Ruang lingkup dan kedalaman pembahasan (30%)	13,5			10,125
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d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	13,5			13,5
<b>Total = (100%)</b>	<b>45</b>			<b>38,255</b>
<b>Nilai Pengusul =</b>				<b>22,75?</b>

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- Masih ada pustaka acuan yg tidak ada pada daftar pustaka, sebaliknya ada pada pustaka tidak ada dalam pembahasan.

Semarang, 15 OKT 2018

Reviewer 1

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C1

**LEMBAR**  
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
a. Kelengkapan unsur isi jurnal (10%)	2.5			2
b. Ruang lingkup dan kedalaman pembahasan (30%)	7.5			7
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d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	7.5			7
<b>Total = (100%)</b>	<b>25</b>			<b>23</b>
<b>Nilai Pengusul =</b>	$\frac{60}{100} \times 23 =$			<b>13,8</b>

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 baik, dan akurat & referensi

Semarang, 5 September 2018  
 Reviewer 2

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Prof. Dr. Ir. Vitus Dwi Yuniarto BI, MS.  
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Volume 19, Issue 4, July 2018, Pages 1429-1433

## Short communication : Genetic diversity of Ongole Grade cattle of Rembang district , Central Java , Indonesia , based on blood protein polymorphism (Article) [\(Open Access\)](#)

Sutiyono, Sutopo, Ondho, Y.S., Setiatin, E.T., Samsudewa, D., Suryawijaya, A., Lestari, D.A., Kurnianto, E. [✉](#)

Laboratory of Genetics, Breeding and Reproduction, Departement of Animal Science, Faculty of Animal and Agricultural Sciences, Universitas Diponegoro, Jl. drh. R. Soejono Koesoemowardojo, Tembalang, Semarang, Central Java 50275, Indonesia

### Abstract

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The objective of this study was to identify genetic diversity in Ongole Grade cattle of Rembang District , Central Java , Indonesia , based on blood - protein polymorphism . A total of 34 blood samples were collected from unrelated Ongole Grade cattle and the blood plasm was used to identify the blood proteins. Blood protein analysis was performed using Sodium Dodecyl Sulfate-Polyacrilamide Gel Electrophoresis (SDS-PAGE). Observed bands were used to perform allele interpretation of four loci, namely Albumin (Alb), Post-albumin (Po-Alb), Ceruloplasmin (Cp) and Amylase-1 (Am-1). Results showed the presence of polymorphism in all of the four blood - protein loci, average heterozigosity value (H) being 0.506 and almost all of the blood - protein loci studied showed deviation from Hardy-Weimberg Equilibrium (HWE). In conclusion, the study indicated that population of Ongole Grade cattle in Rembang , Indonesia has high genetic diversity . © 2018, Society for Indonesian Biodiversity. All rights reserved.

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[Blood - protein locus](#)[Electrophoresis](#)[Genetic diversity](#)[Ongole grade](#)[SDS PAGE](#)

ISSN: 1412033X

Source Type: Journal

Original language: English

DOI: 10.13057/biodiv/d190432

Document Type: Article

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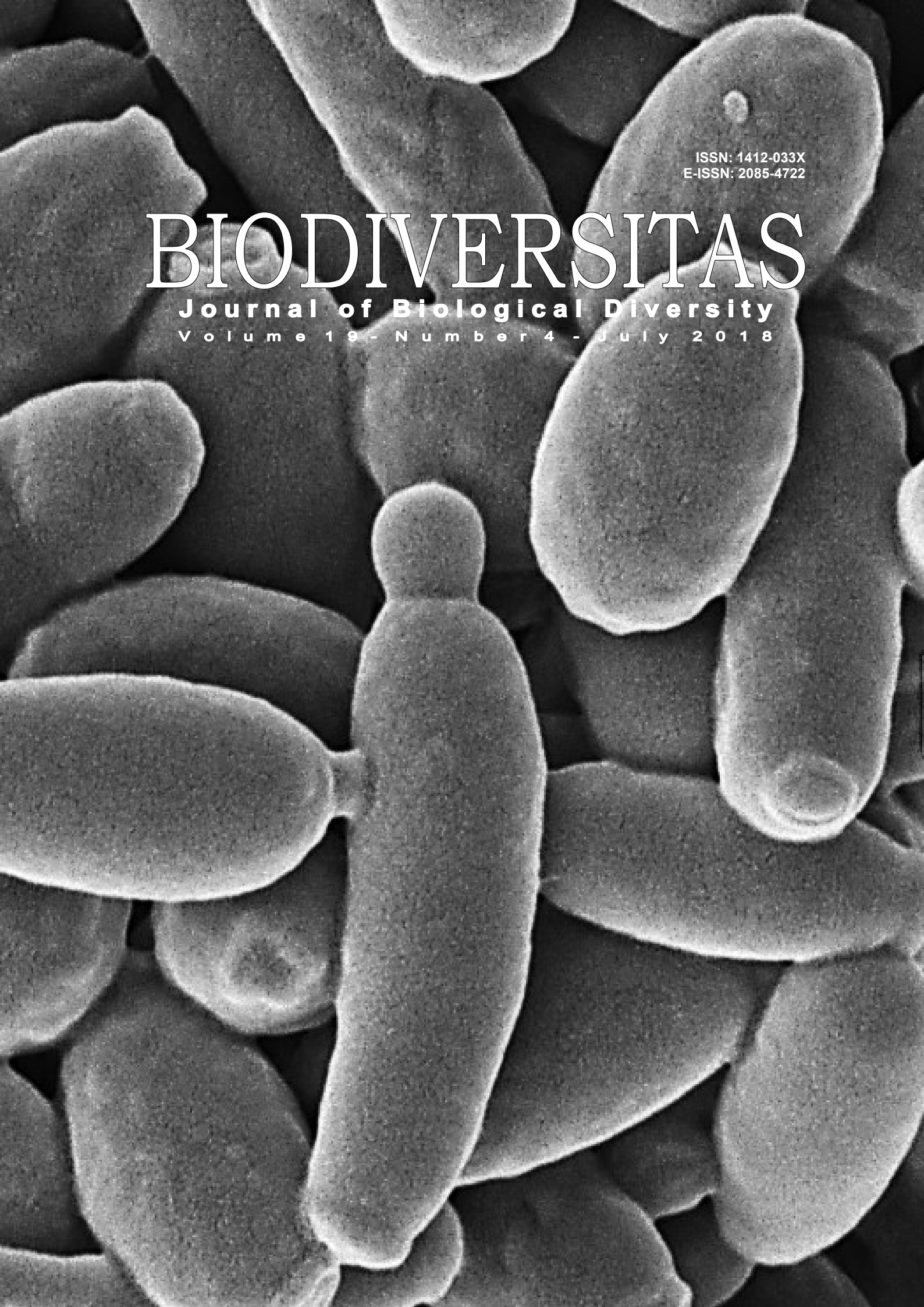
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A black and white scanning electron micrograph (SEM) showing a dense collection of diatoms. The diatoms exhibit a wide variety of shapes, including elongated, oval, and spindle-like forms, some with distinct transverse or longitudinal striations. The background is dark, making the lighter-colored diatoms stand out.

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**Front cover: SEM of *Candida krusei***  
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