

AUTHOR GUIDELINES
AGROTECHNOLOGY RESEARCH JOURNAL

1. The manuscript is the result of research or reviews in the field of agriculture, which includes the themes of agricultural cultivation, plant physiology, soil science, and plant breeding.
2. Using Arial letters with a size of 10 pt and 1 space.
3. Write the manuscript on A4 HVS paper (21 cm x 29.7 cm) 80 grams.
4. Paper margins:
 - Upper 2 cm edge
 - Bottom 2 cm edge
 - Left 1.5 cm edge
 - Right 1.5 cm edge
 - Header 1.25 cm
 - Footer 1.25 cm
5. Make the paragraphs with the first line indent format (0.5 cm).
6. A maximum of 5000 words and a maximum of 6 pages and include:
 - Title
 - Author's identity
 - Abstract
 - Keywords
 - Citation
 - Introduction
 - Materials and methods
 - Results and Discussion
 - Conclusions and suggestions
 - Thank you (if necessary)
 - References
7. Title must be short and effective, a maximum of fifteen words including prepositions and conjunction. Avoid using abbreviation and redundant words, scientific name having clear common name and scientific author name. Write the titles in title case, bold, and left aligned.
8. Authors who play the Corresponding Author are marked *. The author is equipped with an identity written with a capital letter at the beginning of the word, Bold, and left aligned
9. Title of major (ABSTRACT, INTRODUCTION, MATERIALS AND METHODS, RESULTS AND DISCUSSION, CONCLUSION, ACKNOWLEDGMENTS, REFERENCES) must be written in title case format, and left aligned.
10. Write sub-heading without numbering with uppercase letters at the beginning of the word, Bold, left aligned and by spacing after 6 pt.
11. ABSTRACT. Write it in English, which contains important meanings, objectives, research methods, results and conclusions. Present it in one paragraph no more than 200 words with a single space without induction.
12. The keywords. Write it in bold and left aligned. Keywords must avoid general and plural terms and some concepts. Don't use words or terms in the title as keywords. These keywords will be used for indexing purposes. Keywords are not extended more than 5 (five) words.
13. Citation is written based on the CSE's Scientific Style and Format from book title "Manual for Authors, Editors, and Publishers" 8th Edition, 2014 (www.councilscientificeditors.org)

14. Introduction until the references is made 2 columns and 1 space. The introduction contains the background of the rationale, formulation and addressing the problem and research objectives. Avoid literature reviews that are too detailed.
15. Each column size is 8.75 cm and spaces between columns are 0.5 cm.
16. INTRODUCTION contains research background along with important or relevant literature related to the theme of manuscript. The final part of the paragraph contains the research objectives.
17. MATERIALS AND METHODS. Mention specify the period and place of research. Mention and explain all materials, tools, and methods used, as well as research method, variable observations, and data analysis must be stated clearly and concisely. The design of the study explains the research methods carried out such as experimental or survey, techniques for determining population and samples, types and sources of data, data collection and analysis techniques.
18. RESULTS AND DISCUSSION. The results presented, must be consistent with the research objectives. The results data are presented in an effective format with a maximum of 5 (five) tables and or figure. Average data are able to add standard error value for each assessment or observation result. The discussion must be carried out for the purpose of integration, namely in the results of research or by referring to other studies Presentation of Tables and Figures must follow the writing instructions as follows.
19. Writing tables and Figures provided that:
 - Tables and Figures must be referred in a narrative text and present after referring and not precede the narrative.
 - Tables and Figure are put with text wrapping format and recommended to be able to present in a two-column format if it cannot be done, put at the beginning or end of the page.
 - Tables and Figures are positioned by left aligned on the manuscript page
 - Title of Table or Figure are written with capital letter at the beginning of the first word, the next words use lowercase letters except name word initiated by capital letter.
 - The table titles are written as a single space after the number and without a dot at the end
 - Column headings are written in align center except the first column left aligned and just the first word initiated with capital letter

Table z. Title of table (short, with no dot)

Column heading	Spanner head ^a		
	Column heading	Column heading	Column heading
Row heading	XXX±XX	XXX±XX	XXX±XX
Row heading	XXX±XX	XXX±XX	XXX±XX
Row heading	XXX±XX	XXX±XX	XXX±XX
Row heading	XXX±XX	XXX±XX	XXX±XX

^a Additional explanation if needed

Table y. Table title (short, with no dot)

Treatment (unit)	Variable (unit)		
	A	E	B
Row heading	XXX±XX	XXX±XX	XXX±XX
Row heading	XXX±XX	XXX±XX	XXX±XX

- The most left of heading column is the column head that describes the line below.
- Place abbreviations below the table if they exist

- The number and title of the figure are placed under the figure, left aligned
- Figures or graphics are designed in black and white. The use of different colors is suggested to replace with Pattern.
- Figure or graphics must be completed with clear information, legend, or units (example: X axis Fertilizer Dosage (kg ha⁻¹))
- Place additional figure information in the free space in the picture.

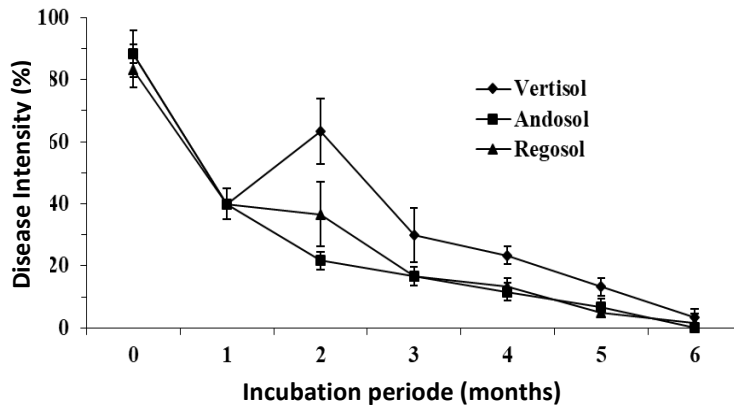


Figure n. Effect of incubation period after investigation blood disease bacteria into soil before planting indicator seedlings

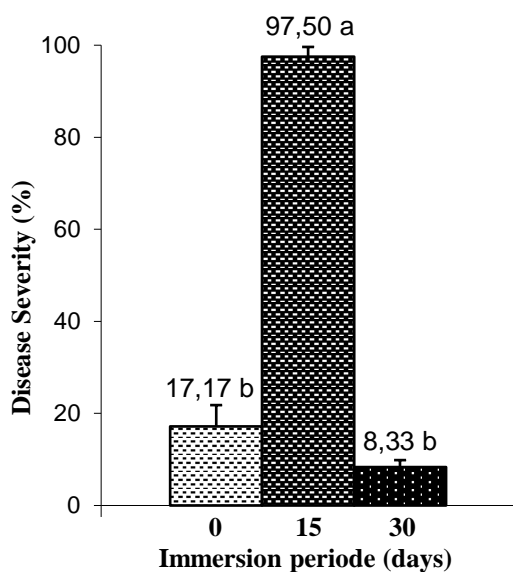


Figure n. Effect of inoculum immersion period of club root pathogen before inoculation to disease intensity

20. Writing numbers and units

- Measurement of units using SI (International Standard Unit) and symbols. Use power of negative-one (superscripted one) for inverse proportion (example: Kg ha⁻¹)
- Use words when the unit is not a common unit (example: seeds per panicle)
- Range of values, show units at the end of the range (example: 10-15 t ha⁻¹)

- Avoid starting sentences with symbols or numbers
 - Use of a certain number or number must be rounded to the nearest digit that is meaningful (example: human body weight does not need 48.23 kg, enough 48.2 kg)
 - Writing numbers in the table adjusted to the categories of tens, hundreds and units
 - Writing a number below nominal 1 (one) using a comma for manuscript in Indonesian (example: 0,25) and a point (dot) for manuscript in English (example: 0.25), while for indication-thousands value uses a point (example: 23.000) and in English uses a comma (example: 23,000).
 - Writing % is combined with the number followed (example: 27%).
21. CONCLUSIONS AND SUGGESTIONS (if any). Conclusions are at the core of study results and implications of the research findings. Suggestions can be entered or recorded under the heading "Suggestions". The contents of the suggestions must be specific and relevant with conclusions of the research results.
22. ACKNOWLEDGMENTS. It explains the sources of funds and institutions or individuals that/who contribute significantly to the research.
23. REFERENCES. A minimum 80% of literature lists is obtained from primary sources (Journal/Proceeding) and the last 10 years. Citation in the text and its writing in the reference is suggested to use a reference management application such as MENDELEY (www.mendeley.com), ZOTERO (www.zotero.org) or others. Citation styles and authors in the bibliography follow the format and style of the SCIENTIFIC COUNCIL EDITOR (CSE) Issue 8, 2014, entitled Style and Format: CSE Manual for Authors, Editors, and Publishers (www.councilscienceeditors.org). The following are instructions and examples of citations and the references discussed in more detail.

GUIDENCE AND EXAMPLES OF WRITING SITUATION AND REFERENCES

1. Single author in the text:

The NIH has been called for change in smallpox vaccination policy (Fauci 2002) that ...

In the reference list:

Fauci AS. 2002. Smallpox-vaccination policy-the need for dialogue. N Eng J Med. 346 (17): 1319-1320.

2. Some articles with the same author in different years In the text:

Smith's studies of arbovirus infections (Smith 1970, 1975) have shown that ...

In the reference list:

Smith CE. 1970. Studies on arbovirus epidemiology associated with established and developing rice culture. Introduction. Soc Trop Med Hyg R Trans. 64 (4): 481-482.

Smith CE. 1975. The significance of mosquito longevity and blood-feeding behavior in the dynamics of arbovirus infections. Med Biol. 53 (5): 288-294.

3. Some articles with the same author in the same year In the text:

Cold hardiness in cereals (Andrews 1960a, 1960b) is affected by

In the reference list:

Andrews JE. 1960a. Cold hardiness of sprouting hardening and hardening temperature. Can J Plant Sci. 40 (1): 93-102.

Andrews JE. 1960b. Cold hardening and cold weather conditions are affected by stage of development and temperature. Can J Bot. 38 (3): 353-363.

4. Articles with the same author for the author with the same last name and the same year In the text:

Earlier commentary on animal experimentation (Dawson J 1986; Dawson M 1986) showed ...

In the reference list:

Dawson J. 1986. Animal experiments: conference report. *BMJ*. 292 (6536): 1654-1655.

Dawson M. 1986. Possible discontinuation of animal experiments. *Acta Physiol Scand Suppl*. 554: 194-197.

5. Two or more authors

In the text:

The most recent work on albuterol administration (Mazan and Hoffman 2001) is ...

... but later studies (Ito et al. 1999) established that ...

In the reference list:

Mazan MR, Hoffman AM. 2001. Effect of aerosolized albuterol on physiologic responses to exercise in standard breds. *Am J Vet Res*. 62 (11): 1812-1817.

6. Articles with institutional publishers

In the text:

The landmark report on legalized abortion (IOM 1975) was ...

In the reference list:

[IOM] Institute of Medicine (US). 1975. Legalized abortion and the public health; report of a committee of the Institute of Medicine. Washington (DC): National Academy of Sciences.

Surakarta, July 2019

Editor in Chief

PETUNJUK PENULISAN
AGROTECHNOLOGY RESEARCH JOURNAL

1. Tulisan merupakan hasil penelitian atau *review* di bidang pertanian yang mencakup tema budidaya pertanian, fisiologi tanaman, ilmu tanah, dan pemuliaan tanaman.
2. Menggunakan huruf Arial dengan ukuran 10 pt dan 1 spasi.
3. Artikel dituliskan pada kertas HVS A4 (21 cm x 29,7 cm) 80 gram.
4. Margin kertas:
 - tepi atas 2 cm
 - tepi bawah 2 cm
 - tepi kiri 1,5 cm
 - tepi kanan 1,5 cm
 - Header 1,25 cm
 - Footer 1,25 cm
5. Paragraph dibuat dengan format *first line indent* (0,5 cm).
6. Maksimal 5000 kata dan dituliskan maksimal 6 halaman yang mencakup:
 - Judul
 - Identitas penulis
 - Abstrak
 - Keywords
 - Citasi
 - Pendahuluan
 - Bahan dan metode
 - Hasil dan pembahasan
 - Kesimpulan dan saran
 - Ucapan terima kasih (bila perlu)
 - Daftar pustaka
7. Judul naskah publikasi singkat dan efektif maksimum lima belas kata termasuk kata depan dan keterangan. Judul dituliskan format judul (*title case*), bold, dan rata kiri (*Alignd left*).
8. Penulis yang berperan *Corresponding Author* diberi tanda *. Penulis dilengkapi dengan identitas dituliskan dengan huruf kapital di awal kata, Bold, dan rata kiri (*Alignd left*).
9. Nama Bab (ABSTRACK, PENDAHULUAN, BAHAN DAN MEDTODE, HASIL DAN PEMBAHASAN, KESIMPULAN, UNCAPAN TERIMA KASIH, DAFTAR PUSTAKA dituliskan kapital dan rata kiri menggunakan *spacing before* 6 pt.
10. Sub Bab dituliskan tanpa penomoran dengan huruf besar diawal kata, Bold dan rata kiri menggunakan *spacing before* 6 pt.
11. ABSTRAK dituliskan dalam Bahasa Inggris yang memuat arti penting, tujuan, metode penelitian, hasil dan kesimpulan. Abstrak disajikan dalam satu paragraf tidak lebih dari 200 kata dengan spasi tunggal tanpa indensi.
12. Keywords dulisan "Keywords" dituliskan *bold* dan rata kiri. Kata kunci harus menghindari istilah umum dan jamak dan beberapa konsep. Jangan menggunakan kata atau istilah dalam judul sebagai kata kunci. Kata kunci ini akan digunakan untuk keperluan pengindeksian. Kata

kunci tidak boleh lebih dari 5 (lima) kata atau frasa dalam urutan abjad.

13. Citasi dituliskan berdasarkan metode *Scientific Style and Format, The CSE Manual for Authors, Editors, and Publishers (8th Edition, Council of Science Editors)*.
14. Pendahuluan hingga daftar pustaka dibuat 2 kolom dan 1 spasi. Pendahuluan berisi latar belakang landasan pemikiran, perumusan dan mengatasi masalah serta tujuan penelitian. Hindari ulasan literatur yang terlalu terperinci.
15. Ukuran kolom masing-masing 8,75 cm dan spasi antar kolom 0,5 cm.
16. PENDAHULUAN berisi latar belakang penelitian beserta pustaka penting atau yang relevan terkait dengan tulisan. Bagian akhir paragraph berisi tujuan penelitian.
17. BAHAN DAN METODE harus disebutkan periode dan tempat penelitian. Semua bahan, alat, dan metode yang digunakan disebutkan serta rancangan penelitian, pengamatan variabel, dan analisis data harus dinyatakan secara jelas dan singkat. Rancangan penelitian menjelaskan metode penelitian yang dilakukan seperti eksperimental atau survei, teknik penentuan populasi dan sampel, jenis dan sumber data, teknik pengumpulan dan analisis data.
18. HASIL DAN PEMBAHASAN. Hasil yang disajikan harus konsisten dengan tujuan penelitian. Data hasil disajikan dalam format yang efektif maksimal 5 (lima) tabel dan atau gambar. Pembahasan harus dilakukan untuk tujuan integrasi, yaitu dalam hasil penelitian atau dengan merujuk pada penelitian lain. Penyajian Tabel dan Gambar harus mengikuti petunjuk penulisan sebagai berikut.
19. Penulisan tabel dan gambar dengan ketentuan:
 - Tabel dan Gambar harus dirujuk dalam narasi dan disajikan setelah dirujuk dan tidak dibenarkan mendahului narasi.
 - Tabel dan Gambar disatukan dalam tulisan dan diupayakan dapat disajikan pada format dua kolom apabila tidak dapat dilakukan sajikan pada awal atau akhir halaman
 - Tabel dan Gambar ditempatkan secara rata kiri (*Align left*) pada halaman artikel
 - Judul Tabel atau Gambar dituliskan dengan Huruf Kapital di awal kata pertama, kata-kata selanjutnya menggunakan huruf kecil
 - Judul tabel dituliskan 1 spasi setelah nomor dan tanpa tanda titik di akhir

Tabel 1. Penyakit yang menyerang kedelai

- Nomor dan judul Tabel ditempatkan rata kiri (*Align left*)
- *Column Heading* berupa sebuah kata atau frase pendek yang ditulis dengan format *sentence case* Tabel z. Judul tabel (pendek, tanpa diakhiri dengan tanda titik)

Column heading	Spanner head ^a		
	Column heading	Column heading	Column heading
Row heading	XXX±XX	XXX±XX	XXX±XX
a Penjelasan tambahan apabila diperlukan			
Tabel y. Judul tabel (pendek, tanda diakhiri dengan titik)			
Perlakuan (unit)	Peubah (unit)		
	A	E	B
Row heading	XXX±XX	XXX±XX	XXX±XX
Row heading	XXX±XX	XXX±XX	XXX±XX

- *Column heading* paling kiri merupakan kepala kolom yang menjelaskan baris di bawahnya.

- Tempatkan singkatan di bawah tabel apabila ada
- Nomor dan judul Gambar ditempatkan dibawah Gambar, rata kiri (Align left)
- Gambar atau grafik dicetak dengan hitam putih. Penggunaan warna yang berbeda digantikan dengan Pattern (pola garis).
- Gambar atau grafik harus dilengkapi dengan keterangan, legenda, atau satuan yang jelas (contoh: sumbu X Dosis Pupuk (kg ha^{-1})).
- Letakan keterangan gambar pada ruang kosong pada gambar.

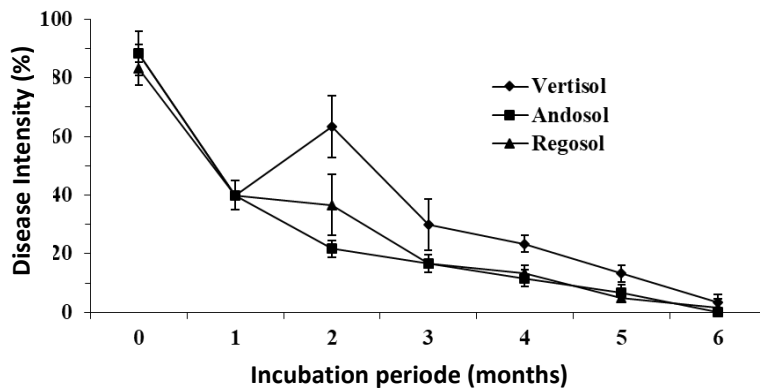


Figure m. Effect of incubation periode after investation blood disease bacteria into soil before planting indicator seedlings

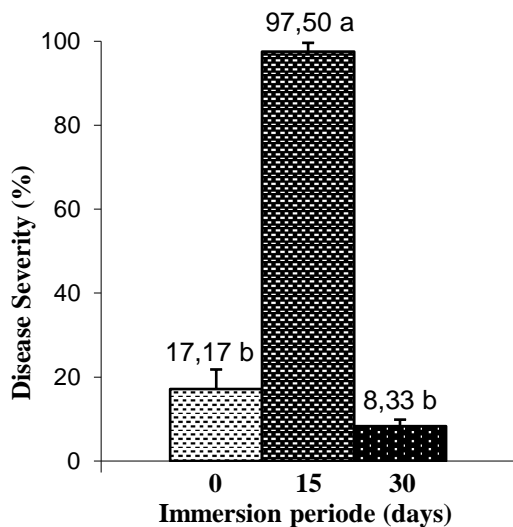


Figure n. Effect of inoculum immersion periode of club root pathogen before inoculation to disease intensity

20. Penulisan angka dan satuan

- Pengukuran unit menggunakan SI (International Standard Unit) dan simbol. Gunakan pangkat minus satu untuk pembagi satuan (contoh: Kg ha^{-1}).
- Gunakan kata-kata ketika satuan tidak termasuk satuan umum (contoh: biji per malai).
- Rentang nilai, tunjukkan unit pada akhir rentang (contoh: $10\text{-}15 \text{ t ha}^{-1}$).
- Hindari memulai kalimat dengan simbol ataupun angka.
- Penggunaan jumlah atau angka tertentu harus dibulatkan ke digit terdekat yang bermakna

(contoh: bobot tubuh manusia tidak perlu 48,23 kg, cukup 48,20 kg)

- Penulisan angka pada tabel disesuaikan dengan kategori puluhan, ratusan dan satuan
 - Penulisan angka di bawah nominal 1 (satu) menggunakan tanda koma (contoh: 0,25), sedangkan ribuan tanpa tanda tertentu (contoh: 23000).
 - Penulisan % digabung dengan angka yang diikuti (27%).
21. KESIMPULAN DAN SARAN (apabila ada). Kesimpulan harus merupakan inti hasil dan implikasi dari temuan utama penelitian. Saran dapat dimasukkan atau dinyatakan di bawah sub judul "Saran". Adapun isi saran harus spesifik dan relevan dengan hasil ataupun kesimpulan hasil penelitian.
 22. UCAPAN TERIMA KASIH menjelaskan sumber dana dan lembaga atau individu yang berkontribusi secara signifikan terhadap penelitian.
 23. DAFTAR PUSTAKA minimal 80% berasal dari sumber primer (Jurnal/prosiding) dan 10 tahun terakhir. Sitasi dalam teks dan penulisannya dalam daftar pustaka disarankan menggunakan aplikasi manajemen referensi seperti MENDELEY (www.mendeley.com), ZOTERO (www.zotero.org) atau lainnya. Gaya sitasi dan penulisannya dalam daftar pustaka mengikuti format dan gaya dari COUNCIL OF SCIENTIFIC EDITORS (CSE) Edisi 8, 2014, berjudul Style and Format : The CSE Manual for Authors, Editors, and Publishers (www.councilscienceeditors.org). Adapun petunjuk dan contoh penulisan sitasi dan daftar pustaka dijelaskan lebih detail sebagai berikut.

CONTOH PENULISAN SITASI DAN DAFTAR PUSTAKA

1. Penulis tunggal Dalam teks:

The NIH has called for a change in smallpox vaccination policy (Fauci 2002) that.....

Dalam Daftar Pustaka:

Fauci AS. 2002. Smallpox-vaccination policy-the need for dialogue. N Eng J Med. 346(17):1319-1320.

2. Beberapa artikel dengan penulis yang sama di tahun yang berbeda Dalam teks:

Smith's studies of arbovirus infections (Smith 1970, 1975) have shown that...

Dalam Daftar Pustaka:

Smith CE. 1970. Studies on arbovirus epidemiology associated with established and developing rice culture. Introduction. Trans R Soc Trop Med Hyg. 64(4):481-482.

Smith CE. 1975. The significance of mosquito longevity and blood-feeding behavior in the dynamics of arbovirus infections. Med Biol. 53(5):288-294.

3. Beberapa artikel dengan penulis yang sama di tahun yang sama Dalam teks:

Cold hardiness in cereals (Andrews 1960a, 1960b) is affected by

Dalam Daftar Pustaka:

Andrews JE. 1960a. Cold hardiness of sprouting wheat as affected by duration of hardening and hardening temperature. Can J Plant Sci. 40(1):93-102.

Andrews JE. 1960b. Cold hardening and cold hardiness of young winter rye seedlings as affected by stage of development and temperature. Can J Bot. 38(3):353-363.

4. Artikel dengan penulis sama untuk penulis dengan nama belakang sama dan tahun sama Dalam teks:

Earlier commentary on animal experimentation (Dawson J 1986; Dawson M 1986) showed....

Dalam Daftar Pustaka:

Dawson J. 1986. Animal experiments: conference report. BMJ. 292(6536):1654-1655.

Dawson M. 1986. Some examples of necessary continuation and possible discontinuation of animal

experiments. Acta Physiol Scand Suppl. 554:194-197.

5. Dua atau lebih penulis Dalam teks:

And the most recent work on albuterol administration (Mazan and Hoffman 2001) is.....

.....but later studies (Ito et al. 1999) established that.....

Dalam Daftar Pustaka:

Mazan MR, Hoffman AM. 2001. Effect of aerosolized albuterol on physiologic responses to exercise in standard breds. Am J Vet Res. 62(11):1812-1817.

6. Artikel dengan penerbit institusi Dalam teks:

The landmark report on legalized abortion (IOM 1975) was....

Dalam Daftar Pustaka:

[IOM] Institute of Medicine (US). 1975. Legalized abortion and the public health; report of a study by a committee of the Institute of Medicine. Washington (DC): National Academy of Sciences.

Surakarta, Juli 2019
Editor in Chief