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Paper's title should be the fewest possible words that accurately describe the content of the paper (Arial, Center, Bold, 14pt)

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ABSTRACT

This template is a new author guideline and article template of JOSEON (Journal of Optimization System and Ergonomy Implementation) start in year 2023. An abstract is presented separate from the article, so it must be able to stand alone. A well-prepared abstract enables the reader to identify the basic content of a document quickly and accurately, to determine its relevance to their interests, and thus to decide whether to read the document in its entirety. The abstract should be typed as concise as possible and should be composed of: **problem statement, method, scientific finding results, value, implication**. The abstract should only be typed in one paragraph and one-column format. **The Abstract should be 100 to 250 words in length**. References should be avoided, but if essential, then cite the author(s) and year(s).

ABSTRAK

Template ini merupakan pedoman penulis dan template artikel baru JOSEON (Journal of Optimization System and Ergonomy Implementation) yang mulai berlaku tahun 2023. Abstrak disajikan terpisah dari artikel. Abstrak yang disusun dengan baik memungkinkan pembaca untuk mengidentifikasi isi dokumen dengan cepat dan akurat, menentukan relevansinya dengan minat mereka, dan memutuskan apakah akan membaca dokumen secara keseluruhan. Abstrak harus ditulis sesingkat mungkin dan terdiri dari: **pernyataan masalah, metode, hasil temuan ilmiah, nilai, dan implikasi**. Abstrak harus ditulis dalam satu paragraf dan format satu kolom. **Panjang abstrak harus antara 100 hingga 250 kata**. Referensi sebaiknya dihindari, tetapi jika diperlukan, sebutkan nama penulis dan tahun.

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INTRODUCTION (11 pt, bold)

The introduction includes the background, theoretical basis, problems, problem solving plans and research objectives. The introduction is written using Arial letters, size 11 and space 1 cm. The contents of the article are typed in one column format on one face of A4 size HVS white paper. The manuscript is arranged in 5 main subtitles (written in capital letters) and 3 supplementary subtitles (written in sentence letters), with a minimum of pages 8 to 20 pages.

The Introduction section should provide: i) a clear background, ii) a clear statement of the problem, iii) the relevant literature on the subject, iv) the proposed approach or solution, and v) the new value of research which it is innovation (within 3-6 paragraphs). It should be understandable to colleagues from a broad range of scientific disciplines. Organization and citation of the bibliography are made in Institute of Electrical and Electronics Engineers (IEEE) style in sign [1], [2] and so on. The terms in foreign languages are written italic (*italic*). The text should be divided into sections, each with a separate heading and numbered consecutively [3]. The section or subsection headings should be typed on a separate line, e.g., 1. INTRODUCTION. A full article usually follows a standard structure: **1. Introduction**, **2. The Comprehensive Theoretical Basis and/or the Proposed Method/Algorithm** (*optional*), **3. Research Method**, **4. Results and Discussion**, and **5. Conclusion**. The structure is well-known as **IMRaD** style.

Literature review that has been done author used in the section "INTRODUCTION" to explain the difference of the manuscript with other papers, that it is innovative, it are used in the section "METHOD" to describe the step of research and used in the section "RESULTS AND DISCUSSION" to support the analysis of the results [2]. If the manuscript was written really have high originality, which proposed a new method or algorithm, the additional section after the "INTRODUCTION" section and before the "METHOD" section can be added to explain briefly the theory and/or the proposed method/algorithm [4].

RESEARCH METHOD (11 pt, bold)

This section explains the rationale for the application of specific approaches, methods, procedures or techniques used to identify, select, and analyze information applied to understand the research problem/project, thereby, allowing the readers to critically evaluate your project's/study's overall validity and reliability.

The research method used must be written in a scientific manner, and valid, namely rational, empirical and systematic. It should be clearly stated the time and place of the study, along with the data and tools and materials used in the study. The research method Explaining research chronological, including research design, research procedure (in the form of algorithms, Pseudocode or other), how to test and data acquisition [5]–[7]. The description of the course of research should be supported references, so the explanation can be accepted scientifically [2], [4]. Figures 1-2 and Table 1 are presented center, as shown below and cited

in the manuscript [5], [8]–[13]. The settlement curves produced has been illustrated in Figure 2(a) and Figure 2(b).

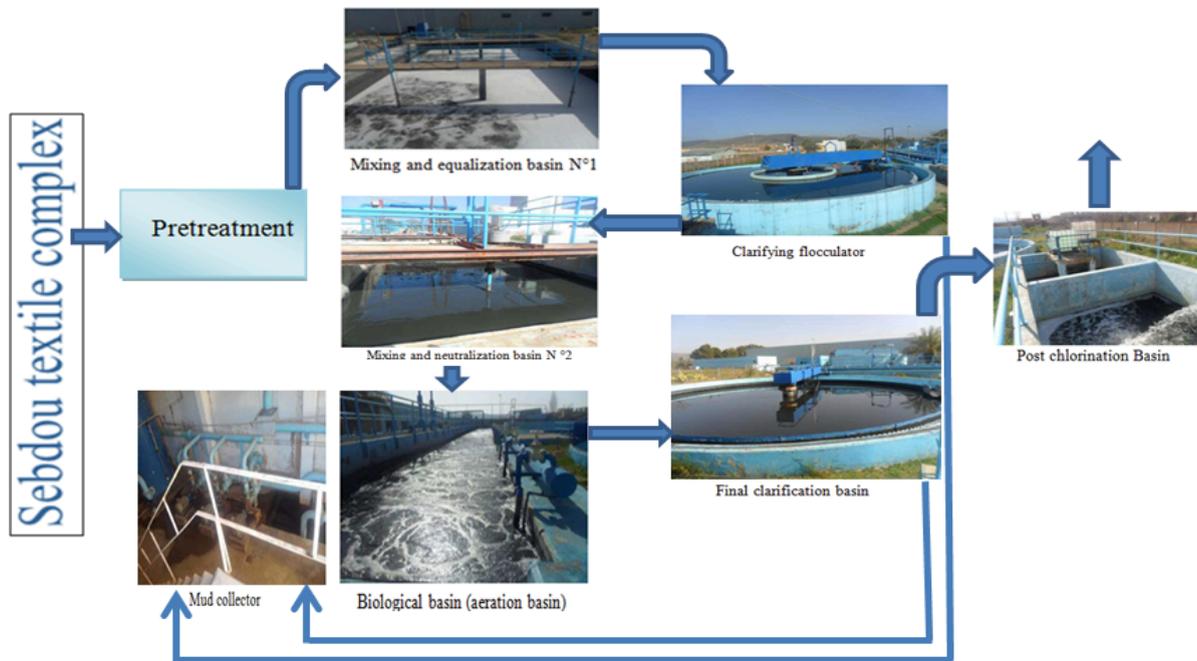
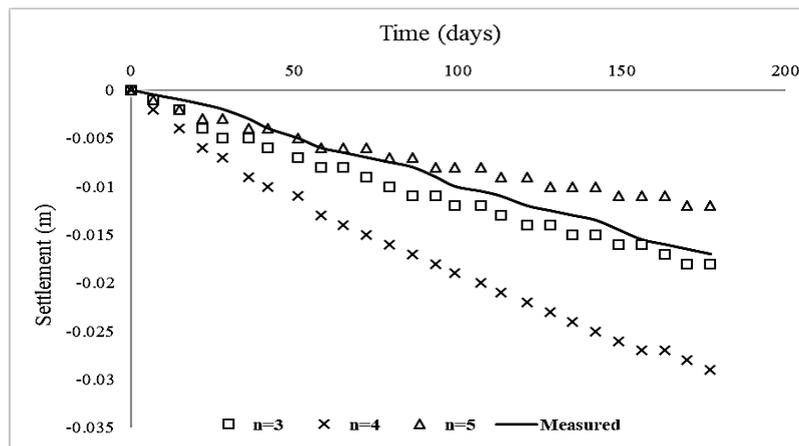
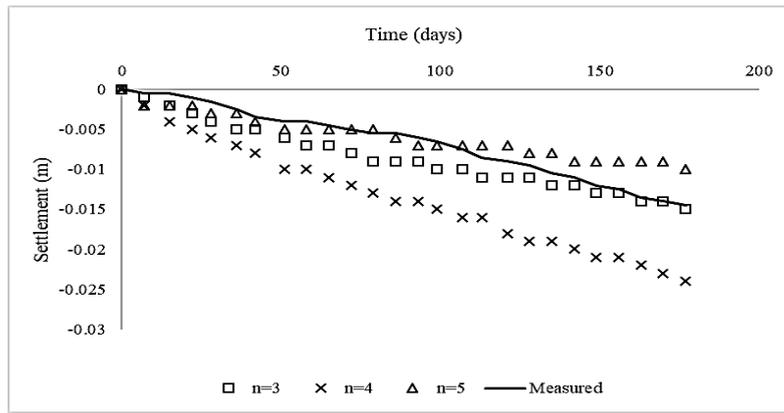


Figure 1. Schematic diagram of the physicochemical treatment process in the station of the textile industrial unit.



(a)



(b)

Figure 2. The relationship of soil settlement and time, (a) SG1 and (b) SG2

Table 1. The COD and BOD values for the last week of the month (final clarification output).

FINAL CLARIFICATION OUTPUT									
Day N°1		Day N°2		Day N°3	Day N°4			Day N°5	
CO D mg/	CO D mg/	CO D mg/	CO D mg/	COD mg/	COD mg/	COD mg/	COD mg/	CO D mg/	CO D mg/
130	36	162	44	153	28	160	32	167	39

RESULT AND DISCUSSION (11 pt, bold)

The results and discussion contain the results of the analysis of phenomena in the research area that are relevant to the theme of the study. Research results should be compared with relevant research theories and findings. Write down the findings obtained from the results of research that has been done and must be supported by adequate data. Research results and findings must be able to answer the research questions or hypotheses in the introduction.

Sub section 1

Equations should be placed at the center of the line and provided consecutively with equation numbers in parentheses flushed to the right margin, as in (1). The use of Microsoft Equation Editor or MathType is preferred.

$$E_v - E = \frac{h}{2.m} (k_x^2 + k_y^2) \quad (1)$$

All symbols that have been used in the equations should be defined in the following text.

Sub section 2

Proper citation of other works should be made to avoid plagiarism. When referring to a reference item, please use the reference number as in [16] or [17] for multiple references. The use of "Ref [18]..." should be employed for any reference citation at the beginning of sentence. For any reference with more than 3 or more authors, only the first author is to be written followed by *et al.* (e.g. in [19]). Examples of reference items of different categories shown in the References section. Each item in the references section should be typed using 9 pt font size [20]–[25].

Subsub section 1

yy

Subsub section 2

zz

CONCLUSION (12 pt, bold)

The conclusion is intended to answer the research problems or purposes. It helps the readers understand why your research should matter to them after they have finished reading the paper. It is not just a summary of the main topics covered or a re-statement of your research problem, but a synthesis of key points and, if applicable, where you recommend new areas for future research.

REFERENCES (11 pt, bold)

Bibliography only contains references that are **directly the source of citations** and typed in one-column format. Use of references must be primary 60% must be sourced from the journal, and primary journal references 60% should not be more than 10 years since the writing was made. Writing Bibliography should use reference management applications such as Mendeley, End Note, Zotero, or others. The writing style follows the IEEE style for ways of referring and presenting references in the reference list.

See the examples:

REFERENCES (minimal 15 References)

- [1] T. S. Ustun, C. Ozansoy, and A. Zayegh, "Recent developments in microgrids and example cases around the world—A review," *Renew. Sustain. Energy Rev.*, vol. 15, no. 8, pp. 4030–4041, Oct. 2011, doi: 10.1016/j.rser.2011.07.033.
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BIOGRAPHIES OF AUTHORS (11 PT., one column)

The recommended number of authors is at least 2. One of them as a corresponding author.

Please attach clear photo (3x4 cm) and vita. Example of biographies of authors:

Author 1	
	<p>Abdel-Rahman Hedar     holds a Doctor of Informatics degree from Kyoto University, Japan in 2004. He also received his B.Sc. and M.Sc. (Mathematics) from Assiut University, Egypt in 1993 and 1997, respectively. He is currently an associate professor at Computer Science Department in Jamoum, Umm Al-Qura University, Makkah, Saudi Arabia. He is also an associate professor of artificial intelligence in Assiut University since January 2012. His research includes meta-heuristics, global optimization, machine learning, data mining, bioinformatics, graph theory and parallel programming. He has published over 70 papers in international journals and conferences. From July 2005 to July 2007, he was a JSPS research fellow in Kyoto University, Japan. He can be contacted at email: ahahmed@uqu.edu.sa or hedar@aun.edu.eg.</p>
Author 2	
	<p>Dr. Kennedy Okokpujie     holds a Bachelor of Engineering (B.Eng.) in Electrical and Electronics Engineering, Master of Science (M.Sc.) in Electrical and Electronics Engineering, Master of Engineering (M.Eng.) in Electronics and Telecommunication Engineering and Master of Business Administration (MBA), Ph.D in Information and Communication Engineering, besides several professional certificates and skills. He is currently lecturing with the department of Electrical and Information Engineering at Covenant University, Ota, Ogun State, Nigeria. He is a member of the Nigeria Society of Engineers and the Institute of Electrical and Electronics Engineers (IEEE). His research areas of interest include Biometrics, Artificial Intelligent, and Digital signal Processing. He can be contacted at email: kennedy.okokpujie@covenantuniversity.edu.ng.</p>

Complementary Subtitles:

NOMENCLATUR (if any) (11 pt, bold)

Vocabulary symbols and definitions should be collected and written here (after the References). As an example:

APT = Available Production Time

C_{max} = *Maximum Consumption*

DT = *Design Time*

KD = *Design Coefficient*

ACKNOWLEDGEMENTS (if any) (12 pt, bold)

Acknowledgments are given to funders, those who provide data and those who are related to the article. (after the conclusion)

APPENDIX (if any) (11 pt, bold)

Only material that supports your article can be considered for attachment. Attachments must be presented after the Biographers. Attachments may not exceed 4 pages. If your attachments have tables, numbers or equations, sum them in sequence