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(ASET strongly encourages international collaboration. Authors are highly encouraged to include international co-authors and diverse institutional affiliations to broaden the global perspective and impact of the submitted research.)

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ABSTRACT

These instructions give you basic guidelines for preparing papers in the ASET format. Submissions that do not comply with these requirements may return for revision. To avoid delays in the publishing process, you must strictly follow the journal's guidelines and format. Your abstract should state the principal objectives and scope of the research, describe the methodology employed, summarize results, conclusions. Additionally, briefly state how the research outcomes contribute to specific United Nations Sustainable Development Goals (SDGs), if applicable (such as ...this work aligns with SDG 7 Affordable and Clean Energy, and SDG 9 Industry, Innovation and Infrastructure...). The abstract should contain max. 150-200 words. (Cambria 10pt, Italic, block-aligned)

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Third-level heading:



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2. MATERIAL AND METHODS (First-level heading, Cambria, 11pt, Uppercase, Bold)

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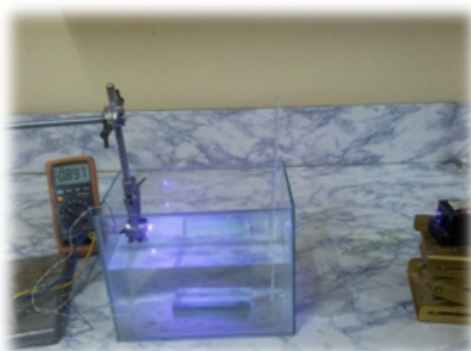
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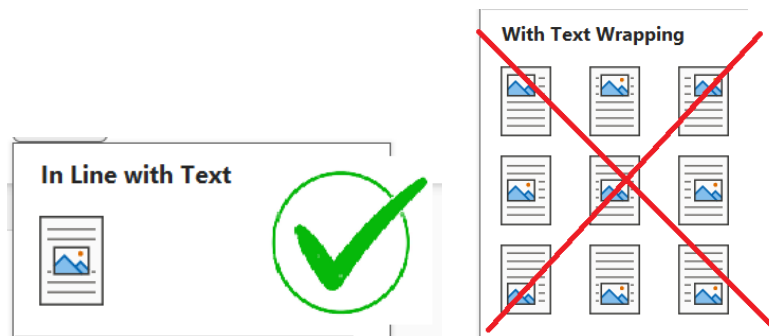
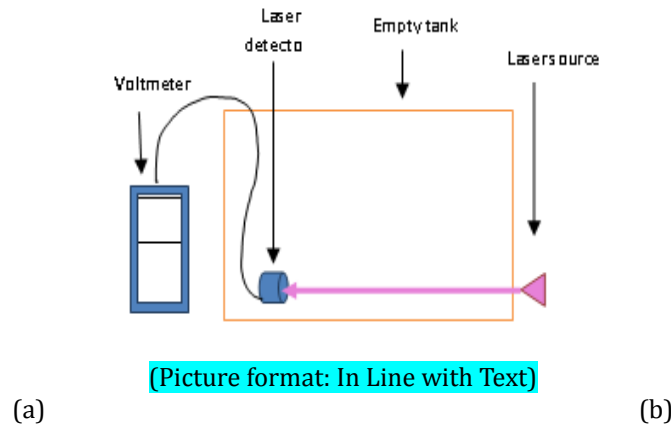


Figure 1: The setup for measuring the energy/second of photon in empty tank. (a) Experimental setup and (b) Schematic diagram. (Cambria, 10pt)

Table 1: Measurements and conversions for the refractive index of water. (Cambria, 10 pt)

Site of measurement	Inside empty tank	Inside tank with water	Outside tank with water
Volts	0.897	0.673	0.829
mj/s	4	3.0011148272	3.696767111

(Table cell size: AutoFit Content or AutoFit Window)

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2.1.2 Equations (Third-level heading, Cambria 11pt, Italic)

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Equations should be left-indented. There should be one line of space above the equation and one line of space below it before the text continues. The equations have to be numbered sequentially, and the number put in parentheses at the right-hand edge of the text.

$$c^2 = a^2 + b^2 \quad (1)$$

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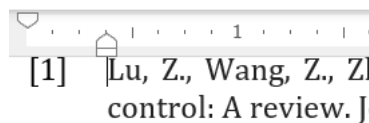
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Please ensure that all references in the manuscript are cited using **numbering in square brackets**, e.g., [1], [2], [3], [4-6], and **follow the sequence**, in the order in which they appear in the text.

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Example: (Citation in the manuscript)

The synthetic fibre also raises environmental concerns because it is not biodegradable [1, 2]. Many recent studies have focused on natural fibre composites reinforced with modern nanomaterials to combine high strength and durability with lower cost and reduced environmental impact [3-5].

Journal

[1] Lu, Z., Wang, Z., Zhou, Y., & Lu, X. Nonlinear dissipative devices in structural vibration control: A review. Journal of Sound and Vibration, vol 423, issue 1 (2018) pp.18-49.

<https://doi.org/10.1016/j.jsv.2018.02.052> (Include the DOI)

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Abstract
Structural vibration is a common problem in many engineering systems, such as machinery, aerospace, and civil structures. The suppression of structural vibration is crucial for prolonging the service life of devices and structures. Conventional linear energy dissipation devices have a wider application owing to their simplicity and low cost.

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Vancouver Lu Z, Wang Z, Zhou Y, Lu X. Nonlinear dissipative devices in structural vibration control: A review. *Journal of Sound and Vibration*. 2018 Jun 9;423:18-49.

Book

- [2] Stein, L., Random patterns, in Computers and You, J. S. Brake, Ed. New York, NY, USA: Wiley, (1994) pp.55- 70

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- [3] Transmission Systems for Communications, 3rd ed., Western Electric Co., Winston-Salem, NC, (1985) pp.44–60.

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- [4] Bingulac, S. P., On the compatibility of adaptive controllers, in Proc. 4th Annu. Allerton Conf. Circuit and Systems Theory, New York, (1994) pp.8–16.

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Author contributions statement: Conceptualization, M.A. Abdullah & M.N. Mohamed; Methodology, M.A. Abdullah; Software, M.A. Abdullah; Validation, M.A. Abdullah & M.N. Mohamed; Formal Analysis, M.N. Mohamed; Investigation, M.N. Mohamed; Resources, M.A. Abdullah; Data Curation, M.A. Abdullah; Writing – Original Draft Preparation, M.A. Abdullah; Writing – Review & Editing, M.N. Mohamed; Visualization, M.N. Mohamed; Supervision, M.N. Mohamed; Project Administration, M.N. Mohamed; Funding Acquisition, M.N. Mohamed.

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