


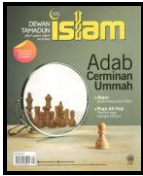










**SENARAI PEROLEHAN BAHAN PERPUSTAKAAN NUKLEAR MALAYSIA  
FEBRUARI 2023**



**KOLEKSI BULLETIN/MAJALAH/JURNAL**

BIL	KULIT	JUDUL/BAHAN	PENERBIT	KELUARAN/ISU				BIL/ NASKHAH
				VOL	ISU	BULAN	TAHUN	
1		Dewan Ekonomi	Dewan Bahasa dan Pustaka		Bil. 1	Jan	2023	2
2		Dewan Kosmik	Dewan Bahasa dan Pustaka		Bil. 1	Jan	2023	2
3		Dewan Masyarakat	Dewan Bahasa dan Pustaka		Bil. 1	Jan	2023	2
4		Dewan Tamadun Islam	Dewan Bahasa dan Pustaka		Bil. 1	Jan	2023	2
5		Pelita Bahasa	Dewan Bahasa dan Pustaka		Bil. 1	Jan	2023	2
6		Reader's Digest	Reader's Digest Asia			Jan	2023	2

7		Dewan Ekonomi	Dewan Bahasa dan Pustaka		Bil. 2	Feb	2023	2
8		Dewan Kosmik	Dewan Bahasa dan Pustaka		Bil. 2	Feb	2023	2
9		Dewan Masyarakat	Dewan Bahasa dan Pustaka		Bil. 2	Feb	2023	2
10		Dewan Tamadun Islam	Dewan Bahasa dan Pustaka		Bil. 2	Feb	2023	2
11		Pelita Bahasa	Dewan Bahasa dan Pustaka		Bil. 2	Feb	2023	2
12		Reader's Digest	Reader's Digest Asia			Feb	2023	2

### TERBITAN IAEA YANG TERKINI (FEBRUARI 2023)

The IAEA is pleased to announce the publication of:

#### **Guidance for Preclinical Studies with Radiopharmaceuticals** **IAEA Radioisotopes and Radiopharmaceuticals Series No. 8**

Preclinical or nonclinical evaluation is an integral part of the development of any drug. The process of developing a new radiopharmaceutical includes rigorous testing before it can be cleared for use in humans. There must be in-depth characterization of its behaviour to assess its safety and suitability for the intended clinical application. This publication provides a baseline guide for preclinical evaluation of radiopharmaceuticals that will give its readers a general review of the requirements of a facility and insight into the various scientific activities that constitute this process. The principles and protocols discussed herein will provide guidelines for biological assessment of candidate compounds, which are consistent with the principles of good laboratory practices to generate valid nonclinical scientific data towards approval for clinical translation. This publication is intended not only for researchers engaged in

radiopharmaceutical development, but also for the Member States planning to set up or upgrade facilities for radiopharmaceuticals' research.

[STI/PUB/2031, 129 pp., 3 figs; 2023; ISBN: 978-92-0-139322-7, English, 46.00 Euro](#)

The online version can be found here:

[Guidance for Preclinical Studies with Radiopharmaceuticals | IAEA](#)

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## **Safe Use of Smart Devices in Systems Important to Safety in Nuclear Power Plants**

### **Safety Reports Series No. 111**

With rapidly advancing digital technologies, smart devices are increasingly used in nuclear power plants. These smart devices can be implemented as separate or standalone field components or embedded as components in other equipment or systems and can be used to increase plant reliability, enhance safe operation and improve testing and monitoring functions. However, the use of smart devices may potentially introduce new hazards, vulnerabilities and failure modes. The safety aspects and design criteria associated with the safe use of industrial commercial smart devices in systems important to safety considered in this publication include: functional suitability and the evidence required to demonstrate this suitability, quality, qualification, the consideration of certification by non-nuclear organizations using non-nuclear standards, and aspects affecting integration of the smart device into existing systems in order to ensure that the smart device will retain its suitability for the required lifetime.

[STI/PUB/1975, 103 pp., 13 figs; 2023; ISBN: 978-92-0-120122-5, English, 44.00 Euro](#)

Electronic version can be found:

[Safe Use of Smart Devices in Systems Important to Safety in Nuclear Power Plants | IAEA](#)

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## **Handbook of Basic Quality Control Tests for Diagnostic Radiology**

### **IAEA Human Health Series No. 47**

Medical X-ray equipment technology has evolved exponentially in the last decades, shifting steadily from analogue to digital radiology, from single slice to multidetector-row computed tomography or from fluoroscopy to complex angiography systems. This, however, comes with associated radiation risk for patients and staff. It is therefore vital that all X-ray equipment is monitored in terms of performance to ensure accurate and safe use. Quality control (QC) represents the basic level of managing safety and quality in diagnostic radiology. This publication compiles all existing QC tests in literature for all X-ray modalities. To facilitate the use of this handbook, spreadsheets and video tutorials have been developed to help with the execution of tests.

[STI/PUB/2021; 208 pp., 52 figs; 2023; ISBN: 978-92-0-130322-6, English, 64.00 Euro](#)

Electronic version can be found:

[Handbook of Basic Quality Control Tests for Diagnostic Radiology | IAEA](#)

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## **Regulatory Control of Exposure Due to Radionuclides in Building Materials and Construction Materials**

### **Safety Reports Series No. 117**

This Safety Report provides practical guidance to governments, regulatory bodies, other relevant competent authorities, and building and construction material industries on setting up arrangements for regulatory control relevant to building and construction materials that give rise to radiation exposures at any step in their life cycle. These steps would include raw material production, manufacturing, supply and end use. It also considers the responsibilities of the suppliers of raw, waste or recycled materials for

incorporation into building or construction materials, and it covers verification programmes for building and construction materials prior to their use as well as in completed construction projects.  
[STI/PUB/1992; 71 pp., 2 figs; 2023; ISBN: 978-92-0-146522-1, English, 42.00 Euro](#)

Electronic version can be found:

[Regulatory Control of Exposure Due to Radionuclides in Building Materials and Construction Materials | IAEA](#)

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