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INDONESIA DEFENSE MAGAZINE



INTERVIEW

With Indonesian Defense Ministry's Secretary General

F-15EX, THE BEST AIR SUPERIORITY FIGHTER IN THE WORLD

SPECIAL REPORT

CLEAN WATER CRISIS, POTENTIAL NON-MILITARY THREAT FACING INDONESIA



TECHNOLOGY

THE SUPER ADVANCED TURKISH - MADE ANKA COMBAT DRONE

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Dear readers,

We present you the twenty-third issue of Indonesia Defense Magazine (IDM), a portal into the defense scene of the Republic of Indonesia.

Topics examined include the Government's ongoing efforts to meet the needs of Indonesia's primary weapon systems (Alat Utama Sistem Persenjataan - alutsista), one dynamic of which is the most recent signing of an MoU, confirming Indonesia's plans to procure 24 Boeing F-15EX Eagle II fighter jets.

This agreement was signed at Boeing's St. Louis, Missouri, facility on August 21, 2023, by Air Vice Marshal Yusuf Jauhari, who leads the Defense Facilities Agency within Indonesia's Defense Ministry (Kemhan), and Mark Sears, Boeing's vice president and program manager for fighters; it was witnessed by Indonesian Defense Minister Prabowo Subianto.

Back in Indonesia, Kemhan's secretary general Air Marshal Donny Ermawan Taufanto was pleased to hear the news.

"F-15EX is the best air superiority fighter aircraft in the world," he was quoted as saying. In an interview with IDM, Air Marshall Donny provided further insight about the decision to purchase F-15EX and how this fighter will bolster Indonesia's air defense.

The persistent diplomacy of Defense Minister Prabowo Subianto has paved the way for meaningful upgrading of Indonesia's air defenses. 24 F-15EX fighter aircraft and 24 Sikorsky S-70M Black Hawk helicopters will be made available from the United States, to fortify the Indonesian Military, an affair disclosed during Prabowo's August 2023 working visit to the United States.

The latest-generation Black Hawk helicopters were also purchased for the Indonesian Air Force. "This collaboration will fortify the prowess of the Indonesian Military while strengthening the domestic defense industry," Prabowo stated.

Prabowo's visit to the United States was followed by a meeting with Defense Secretary Lloyd James Austin III; the two leaders have encountered one another frequently in bilateral and multilateral forums.

The increased visibility of Unmanned Aerial Vehicles (UAV) in theaters of combat has inspired numerous nations to build drones and other such armaments. Today's cost-efficient drones have become quite attractive, as they are cheaper to operate and maintain.

Such a consideration factored into the Indonesian Defense Ministry's (Kemhan) decision to purchase ANKA, an advanced combat drone from Türkiye on February 3, 2023. Following the signing of a contract, Kemhan announced the procurement of 12 Turkish Aerospace Industries - ANKA drones for US$300 million. The deal also included integrated logistics support (ILS), ground support and test equipment (GS&TE), flight simulators, hangar and training infrastructure, as well as a 2-year (up to 600 flying hours) warranty and technical support.

We cover this in detail in the current issue of IDM. It is noteworthy that while first phase ANKA drones will be produced in Turkey, further production of another six units will be assembled in Indonesia, a collaboration between Turkish Aerospace Industries and PT. Dirgantara Indonesia (PTDI) through a technology transfer scheme.

In my capacity as Editor-in-Chief of IDM, I visited the International Defence Fair IDEF 2023, held in Ankara, Türkiye. Long-time readers may recall our comprehensive article on the Indonesian Defense Conference earlier this year.



Irawan Ronodipuro, Editor-in-Chief of IDM, in a friendly session with Mr. Temel Kotil, President and CEO of Turkish Aerospace Industries, during the International Defence Fair, IDEF 2023, in Ankara.

I had the honor of meeting Mr. Temel Kotil, President and CEO of Turkish Aerospace Industries (TAI) who, despite his busy schedule, received me graciously. We had a frank and pleasant sit-down at the Fair, and exchanged views on defense matters, relating to the enduring relations between his great nation and Indonesia.

The increasing role of the Indonesian military in Military Operations Other Than War (MOOTW) is well-characterized by its role in the current drought season.

A number of regions in Indonesia are facing serious water scarcity, which has drawn the concern of Defense Minister Prabowo Subianto. His response was to direct the Republic of Indonesia Defense University-RIDU (Unhan) to assemble a team tasked with exploring and extracting clean water for communities. Our coverage in this issue portrays a team of soldiers and experts sent to Lombok island and Sumbawa, Moa Island, and Gunung Kidul in Yogyakarta, where a severe drought has claimed the lives of a thousand farm animals.

We hope you enjoy reading this edition of IDM,



Irawan Ronodipuro
Editor-in-Chief

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KRISIS AIR BERSIH, POTENSI ANCAMAN NONMILITER DI INDONESIA



Warga berjalan membawa ember menuju titik mata air yang ada di Desa Madaprama, Dompu, Nusa Tenggara Barat.



FOTO: MUHAMMAD IQBAL

Perubahan iklim *(climate change)* telah memicu menghangatnya bumi, yang mengakibatkan perubahan suhu dan pola cuaca. Dampak yang dirasakan manusia di antaranya kekeringan hebat dan kelangkaan air. Selain faktor tersebut, kerusakan ekosistem hutan dan daerah aliran sungai (DAS) ikut memberikan kontribusi terhadap terjadinya krisis air.

Oleh: Nurhidayat Nasution dan Yuli Ari

IDM/MUHAMMAD HIDAYAT



Warga mengisi air dari sumber mata air bersih yang berada di pinggir pantai di Desa Gunung Malang, Lombok.

Fenomena kelangkaan air ini telah menjadi perhatian serius di banyak negara. Krisis air dalam hal ini tidak hanya mengacu pada kebutuhan air secara umum, namun juga kebutuhan air layak konsumsi

Sejak tahun 2021, Perserikatan Bangsa-Bangsa (PBB) bahkan telah memperingatkan dunia atas ancaman krisis air global. Seretnya pasokan air dan ancaman kekeringan turut mendorong memburuknya ketahanan pangan global. Kebutuhan pangan terus meningkat, namun di sisi lain, jumlah populasi dunia belakangan ini juga terus bertambah.

Jika permasalahan air ini tidak cepat diatasi, maka akan menimbulkan persoalan baru seperti munculnya penyakit; kelaparan yang merajalela; rusaknya ekosistem; menurunnya standar kehidupan; tergangnya sektor perekonomian; serta hilangnya lahan basah.

Ancaman Nonmiliter dan Instruksi Menteri Pertahanan

Sejumlah wilayah di Indonesia juga tidak luput dari bahaya kelangkaan air. Ancaman serius ini telah menjadi perhatian khusus Menteri Pertahanan Prabowo Subianto. Mencari titik sumber air bersih, serta melakukan pengeboran di daerah-daerah yang mengalami krisis air dapat menjadi solusi untuk mengatasi masalah itu. Prabowo lalu menginstruksikan Universitas Pertahanan Republik Indonesia (Unhan RI) untuk membentuk tim sebagai pelaksana pencarian titik sumber air bersih bagi masyarakat.

"Saya memberi tugas kepada Unhan