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Science and Weapons Daily Review

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According to a US military source, the Indonesian Army is taking measures, including the construction of a new laboratory and training facility, to upgrade its chemical warfare defense capabilities. This facility could enable Indonesia to conduct some CW research; however, we do not believe that Indonesia will use the facility for CW agent production in the near term. (S NF)

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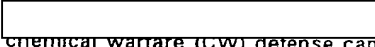

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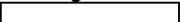
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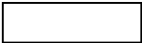
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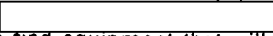



INDONESIA: CHEMICAL DEFENSE IMPROVEMENTS UNDER WAY 

 the Indonesian Army is upgrading its chemical warfare (CW) defense capabilities through increased training, attempts to procure CW defense equipment, and construction of a new laboratory and training facility. 

Officers and noncommissioned officers (NCOs), who have received formal training at the Pusnubika center for nuclear, biological, and chemical (NBC) warfare activities in Jakarta, now conduct training for their nonchemical corps counterparts at the district headquarters where they are assigned. In addition, many officers and NCOs at the NBC center are working toward degrees in chemistry, biology, and meteorology at local universities. 

Pusnubika will administer a new CW training laboratory being established near Bogor, West Java. The laboratory, which may be a renovation of an existing analytical chemical laboratory rather than a completely new facility, will have all new, high-technology equipment. This equipment will be purchased from Japan by the chief of NBC warfare activities when he visits Japan in 1986 (while on the trip he will visit the Japanese NBC school). When operational, the laboratory will offer training in CW laboratory procedures to both chemical and medical corps personnel. 

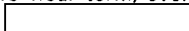
Indonesia has approached France, West Germany, and South Korea--although reportedly dissatisfied with the quality of South Korean equipment--with requests to purchase such equipment. Although specific requirements are unknown,  Indonesia is still "shopping" the world market to find equipment that will not require extensive maintenance until it can establish its own equipment maintenance program. 

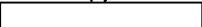
Comment:

Indonesia needs modern CW defense equipment to increase its operational capability and augment training. The establishment of a CW laboratory and Indonesia needs modern CW defense equipment to increase its operational capability and augment training. training facility is an important step in Indonesia's CW defense modernization efforts. This new facility probably

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could enable Indonesia to conduct small-scale, basic and applied CW research; however, we judge it unlikely that Indonesia will attempt to use this laboratory for CW agent production in the near term, even if Indonesia has plans to develop an offensive capability. 

Current favorable relations with Japan apparently will benefit Indonesia's modernization program. Indonesia's chief of NBC warfare activities, who is his country's representative to the UN-sponsored Conference on Disarmament (CD), shares a close association with Japan's CD representative. This relationship, an invitation to visit Japan's NBC school, and planned purchases of laboratory equipment from Japan indicate that Indonesia is seeking and receiving unofficial Japanese support for Indonesia's efforts to upgrade its CW defense posture. 

By decentralizing CW defense training, local Indonesian military districts will benefit via an increase in the number of nonchemical officers and NCOs with basic CW skills. University graduates will provide the army with a core of individuals possessing specialized skills applicable to CW defense.



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