TERMS OF REFERENCE

Technical Support to Develop e-learning Module on Malaria Diagnosis Training in Bahasa Indonesia
1. **Purpose**
The purpose of this position is to provide technical support to the National Malaria Control Programme, the Indonesian Ministry of Health, to develop e-learning module on malaria diagnosis training in Bahasa Indonesia.

2. **Background**
The Government of Indonesia is committed to eliminate malaria by 2030 across the country. One key intervention to reduce malaria mortality and morbidity is accurate early malaria diagnosis, and then followed by prompt effective treatment. This intervention is in line with WHO recommendation and strategy to test, treat and track every malaria cases. Early diagnosis with laboratory confirmation using light microscopy examination is still be the gold standard diagnostic method in malaria program, although the accuracy of reading depends on the competency of the microscopist.

In area toward elimination where malaria incidence become low and density of parasite in the blood is also low. It required high quality skills of microscopist to identify parasite and quantifying parasite density to measure the successful rate of malaria therapy. To maintain the skills of microscopists or laboratory technician to make good quality of blood smear and read accurately, NMCP has cascade training system. For basic competency level, the training will be conducted more than 14 days. However, after the training, when the microscopists are rarely read the malaria blood smear, then they will forget the knowledge receiving in the training. On the other hand, the budget allocation for training become lesser.

The aims of this activity are to develop e-learning module for malaria diagnosis training in Bahasa Indonesia. The e-learning module can be posted on-line at our website or all microscopists can downloaded for self-learning. The e-learning will produce a certificate that will be as a first step for selection participant to attend in-class training.

3. **Objective, scope of works**

**Objective:** To develop e-learning module for malaria diagnosis training in Bahasa Indonesia.

**Scope of Works and Responsibilities:**
In close collaboration with Sub-Directorate of malaria, National Institute of Health Human Resources Development and Empowerment, PATELKI, Clinical Parasitology and other partners as well as under the overall supervision of the WHO Representative to Indonesia and day-to-day supervision/guidance of/by Technical Officer of MAL Program, the contractor will provide support to Malaria Program by performing the following specific duties:

1. To review existing training module of malaria diagnosis curriculum and modules.
2. To discuss and consult with all partners in developing the e-learning modules.
3. To develop interactive e-learning module with audios, videos, pictures, quiz, assessments, and consultations with the lectures.
4. To develop e-learning that can be posted in the NMCP web-site and offline self-learning.
5. To produce e-certificate that can be printed and sent directly to NMCP focal point of diagnosis.
6. To conduct field test of e-learning at Lembata District (NTT) and Banjarnegara District (Central Java Province).
7. To produce 100 DVD copies of e-learning modules.
8. Guarantee for editing or repairmen for duration 6 months after submission the final product.
9. Perform any other duties as assigned by WR and Technical Officer (TO) MAL and VBDC.

4. **Duration of assignment:**
1 March 2019 – 30 September 2019 (6 months)

5. **Expected Result and Reporting**

   **Expected Outcome:**
   High quality e-learning module on malaria diagnosis in Bahasa Indonesia posted in NMCP website and copy to DVD.

   **Expected Output:**
   A. **Progress Report**
      1. Preliminary result of discussion and consultation meeting on e-learning module.
      2. Picture of activities with consents (written or video consents).

   B. **Final Report**
      1. Final draft report approved by NVBZCP and WHO peer review team.
      2. Final e-learning modules posted at NMCP website and 100 DVD copies modules.
      3. Picture of activities with consents (written or video consents).

6. **Profile of the Ideal Candidate**
1. The institution/organization must be legal entity registered in Indonesia.
2. The institution/organization must be a local institution or national institution which has strong capacity in public health, education, and parasitology.
3. The team member of institution/organization should be composed of at least one senior public health/parasitology/educational material expert. Proven by advance degree in related field and their CVs and publications.
4. The team member has experience in undertaking in developing training materials and e-learning modules.

**Education Qualification for Principal Investigator/Team leader:**

   **Essential:** A degree in public health or parasitology related subject from a recognized institution
   **Desirable:** Advanced degree in public health or parasitology related subject from a recognized institution.

**Experiences:**

   **Essential:** At least five years’ experience in developing training materials or e-learning modules.
   **Desirable:** Experience in developing training materials or e-learning modules in Bahasa Indonesia. Have knowledge of malaria parasitology and diagnosis issues; ability to work independently, as a team member, and across teams; ability to handle a large volume of work, multi-task, and meet multiple deadlines.
7. **Payment term and schedule**

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<thead>
<tr>
<th>No</th>
<th>Deliverables</th>
<th>Payment Value in IDR</th>
<th>Tentative date</th>
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<tr>
<td>1</td>
<td>Countersigned Contract (25%)</td>
<td>As per the rule of contract</td>
<td>1 March 2019</td>
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<td>Submission of progress report as per the terms of reference &amp; deliverable,</td>
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<td>30 April 2019</td>
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<td>3</td>
<td>Submission of final report as per the terms of reference &amp; deliverable,</td>
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