

**PENINGKATAN PEMAHAMAN KONSEP DAN
KETERAMPILAN MENGAJAR GURU SEKOLAH DASAR
MELALUI IHT MATEMATIKA AKTIF
(Yeyen Marhaenia, 2026)**

ABSTRAK

Penelitian ini bertujuan untuk mengetahui peningkatan pemahaman konsep matematika dan keterampilan mengajar guru melalui kegiatan *In-House Training* (IHT) di SDN Karsanagara Kecamatan kawalu Kota Tasikmalaya. Penelitian ini menggunakan pendekatan kuantitatif dengan metode kuasi eksperimen menggunakan model *one group pretest-posttest design*. Subjek penelitian adalah guru kelas V dan VI yang mengajar di fase C SDN Karsanagara Kota Tasikmalaya. Teknik pengumpulan data yang digunakan dalam penelitian ini meliputi tes pemahaman konsep matematika, lembar observasi keterampilan mengajar, dan angket respon guru terhadap pelaksanaan kegiatan pelatihan. Data tes dianalisis menggunakan analisis peningkatan skor *pretest* dan *posttest*, sedangkan data observasi dan angket dianalisis menggunakan analisis deskriptif persentase. Hasil penelitian menunjukkan bahwa terdapat peningkatan pemahaman konsep matematika guru setelah mengikuti kegiatan *In-House Training* yang ditunjukkan oleh peningkatan nilai rata-rata *posttest* dibandingkan dengan nilai rata-rata *pretest*. Selain itu, hasil observasi menunjukkan bahwa keterampilan mengajar guru berada pada kategori baik setelah mengikuti kegiatan pelatihan. Respon guru terhadap pelaksanaan kegiatan *In-House Training* juga menunjukkan hasil yang sangat positif, di mana sebagian besar guru menyatakan bahwa kegiatan pelatihan yang dilaksanakan bermanfaat dalam meningkatkan pemahaman konsep matematika serta keterampilan mengajar mereka. Berdasarkan hasil penelitian tersebut dapat disimpulkan bahwa pelaksanaan kegiatan *In-House Training* (IHT) memberikan kontribusi positif dalam meningkatkan pemahaman konsep matematika dan keterampilan mengajar guru. Oleh karena itu, kegiatan pelatihan berbasis sekolah seperti *In-House Training* dapat menjadi salah satu alternatif program pengembangan profesional guru yang efektif dalam meningkatkan kualitas pembelajaran di sekolah dasar.

Kata kunci: *In-House Training*, pemahaman konsep matematika, keterampilan mengajar

**IMPROVING ELEMENTARY SCHOOL TEACHERS' CONCEPTUAL
UNDERSTANDING AND TEACHING SKILLS THROUGH ACTIVE
MATHEMATICS IN-HOUSE TRAINING (IHT)
(Yeyen Marhaenia, 2026)**

ABSTRACT

This study aimed to investigate the effectiveness of an In-House Training (IHT) program in improving teachers' mathematical conceptual understanding and teaching skills at SDN Karsanagara, Kawalu District, Tasikmalaya City. A quantitative approach was employed using a quasi-experimental method with a one-group pretest–posttest design. The participants consisted of fifth-and sixth-grade teachers teaching in Phase C at SDN Karsanagara.

Data were collected through a mathematical conceptual understanding test, a teaching skills observation checklist, and a questionnaire measuring teachers' responses to the implementation of the training program. The test data were analyzed by comparing the pretest and posttest scores to determine the improvement in teachers' mathematical conceptual understanding, while the observation and questionnaire data were analyzed using descriptive percentage analysis.

The results indicated that the In-House Training program significantly improved teachers' mathematical conceptual understanding, as reflected by the higher mean posttest score compared with the mean pretest score. Furthermore, the observation results showed that the teachers' teaching skills were classified as good following the training. The questionnaire findings also revealed highly positive responses, with most participants acknowledging that the training effectively enhanced both their mathematical conceptual understanding and teaching skills.

It can be concluded that the implementation of the In-House Training (IHT) program contributed positively to improving teachers' mathematical conceptual understanding and teaching skills. Therefore, school-based professional development programs such as In-House Training may serve as an effective strategy for strengthening teachers' professional competence and improving the quality of teaching and learning in elementary schools.

Keywords: *In-House Training (IHT), mathematical conceptual understanding, teaching skills, teacher professional development.*

