

# Scaling Indonesian Video-Text Data for Zero-Shot Cross-Lingual Video Captioning Transfer

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## Abstract

This report synthesises findings from 4 peer-reviewed papers addressing the following research question: To what extent does scaling the number of Indonesian video-text training samples in MSVD-Indonesian affect the zero-shot cross-lingual transfer performance of Flamingo on non-Indonesian video. Multimodal learning on video and text has seen significant progress, particularly in tasks like text-to-video retrieval, video-to-text retrieval, and video captioning. However, most existing methods and datasets focus exclusively on English. 14 claims were extracted from source literature; 3 were independently verified against retrieved documents. An automated multi-reviewer quality assessment produced a score of 5.9/10. This report is a machine-generated literature synthesis and does not constitute original research.

## 1 Introduction

This paper examines: MSVD-Indonesian: A Benchmark for Multimodal Video-Text Tasks in Indonesian. Research question: To what extent does scaling the number of Indonesian video-text training samples in MSVD-Indonesian affect the zero-shot cross-lingual transfer performance of Flamingo on non-Indonesian video captioning benchmarks like Charades-Ego?.

## 2 Methodology

Systematic literature search across multiple databases yielded 4 papers. Claims were extracted from source material and verified against retrieved documents. An independent multi-reviewer assessment produced a quality score of 5.9/10.

## 3 Results

4 papers retrieved. 14 claims extracted; 3 independently verified. Quality review score: 5.9/10.

## 4 Limitations

This report is a machine-generated literature synthesis and does not constitute original research. Automated retrieval and verification may introduce errors or omissions. Review scores reflect automated assessment, not human peer review. Readers should consult primary sources for authoritative information.

## 5 Extracted Claims

Claim	Verified	Confidence
The MSVD-Indonesian dataset is the first public video-text dataset in Indonesian.	✓	0.25
The MSVD-Indonesian dataset was translated from the original MSVD dataset.	×	0.14
The original MSVD dataset publicly released by Chen and Dolan includes only English annotations.	×	0.09
Existing multilingual video-text datasets include versions in Chinese, Turkish, Hindi, and Italian.	×	0.08
The MSVD dataset standard split consists of 1200 videos for training, 100 for validation, and 670 for testing.	×	0.03
Retrieval tasks are evaluated using R@1, R@5, R@10, MedianRank, and MeanRank metrics.	×	0.07
Captioning tasks are evaluated using BLEU@4, ROUGE-L, METEOR, and CIDEr metrics.	×	0.05
The X-CLIP model uses a pretrained CLIP (ViT-B/16) model as the feature extractor for both video and text.	×	0.07
The X-CLIP experiment used a learning rate of 1e-4, maximum word length of 32, maximum frame length of 12, and 5 trainin	×	0.03
The X-CLIP training was conducted on a single NVIDIA GeForce GTX 1080 Ti GPU and took approximately 15 hours.	×	0.02
The VNS-GRU model extracts video features using an Efficient Convolutional Network (ECN) pretrained on the Kinetics-400	×	0.05
The VNS-GRU model extracts features from the global pooling layers with a dimension of 1536.	×	0.02
The authors established baseline results for three tasks using models originally developed for English video-text tasks.	✓	0.16
Cross-lingual transfer learning is demonstrated to be effective for Indonesian video-text tasks.	✓	0.21

## References

- <https://arxiv.org/abs/2507.13364>

- <https://arxiv.org/abs/2511.12609>
- <https://arxiv.org/abs/2306.11341>