

Supplement to: Islam B, Tasiu II, Wang T, Wu M, Qin J. Current status of elevated blood pressure and hypertension among adolescents in Asia: a systematic review. J Glob Health. 2025;15:04115.

Table S1: Assessment of Bias Risk in the Included Studies Using JBI-MASARI

[illegible]

Author, Year, Ref	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Yes Score (_/8) Methodological quality
Joyce Ying Hui Tee et al. 2020 [44]	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Liew JK et al. 2019 [45]	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Sudikno et al. 2023 [46]	Y	Y	Y	Y	Y	Y	Y	Y	8/8
	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Kwanchai Pirojsakul et al. 2022 [47]	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Poh et al. 2022 [48]	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Chalet et al. 2021 [49]	Y	Y	Y	Y	Y	Y	N	Y	7/8
Kerimkulova et al. 2019 [50]	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Parisa Amiri et al. 2019 [51] 2019	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Batran et al. 2021 [52]	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Al-Farhan et al. 2020 [53]	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Hasan Hüseyin Çam et al. 2020 [54]	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Anwar Al-Nuaim et al. 2022 [55]	Y	Y	Y	Y	Y	Y	Y	Y	8/8
Orhan Çakır et al. 2020 [56]	Y	Y	Y	Y	Y	Y	N	Y	7/8
Firat et al. [57] 2021	Y	Y	Y	Y	Y	Y	N	Y	7/8

The items were collapsed into 8 quality-appraisal criteria (Q1-Were the criteria for inclusion in the sample clearly defined? Q2-Were the study subjects and the setting described in detail? Q3-Was the exposure measured in a valid and reliable way? Q4-Were objective standard criteria used for measurement of the condition? Q5-Were confounding factors identified? Q6-Were strategies to deal with confounding factors stated? Q7-Were the outcomes measured in a valid and reliable way? Q8-Was appropriate statistical analysis used?).

JBIMASTARI was used to evaluate the risk of bias. Articles with scores between 1 and 2 were defined as poor methodological quality, articles with scores between 3 and 4 as moderate quality, and articles with scores more than 5 as high quality.

N, no; NA = not relevant; U = unsure; Y = yes.